Plan upravljanja istraživačkim podacima za projekt NRSUGRA

Rosseel, Jan

Data management plan / Plan upravljanja istraživačkim podacima

Research data management plan (RDMP)

Administrative information		
	Principal investigator	Jan Rosseel
	Affiliation	Ruđer Bošković Institute
	Project proposal title	Non-relativistic supergravity and applications
	RDMP contact person	Jan Rosseel
1.	Data collection and documentation	
	What data will you collect, analyse, generate or reuse? (Please state the type, format and volume of data you will collect, not only final data set that will be the result research)	The research proposed is of a theoretical nature and does not require collection of experimental or observational data. The research will proceed via pen and paper calculations or sometimes by doing calculations with computer algebra systems. These pen and paper calculations will be scanned and, along with the notebooks, stored in special directories associated to the activity package they belong to. Important in-between-steps in the calculations, as well as the final results will be published in journal articles, of which preprints will be put publicly available on the on-line repository arXiv.org. The amount of scanned calculations and notebooks is expected to be of the order of 500 MB. The file formats of scans will be pdf or image formats like jpeg. The file formats of notebooks will correspond to the ones provided by the computer algebra systems used in creating them (e.g. Mathematica, Sage, Cadabra).
	How will the data be collected, processed, or generated? (Briefly describe methodologies and quality assurance processes you will use, organization of your project files and data, tools and instruments which will be used for collecting and processing the data)	The research will proceed via pen and paper calculations or sometimes by creating notebooks with calculations in computer algebra systems. These pen and paper calculations will be scanned and, along with the notebooks, stored in special directories associated to the activity package they belong to. Important in-between-steps in the calculations, as well as the final results will be published in journal articles, of which preprints will be put publicly available on the on-line repository arXiv.org.
	What data documentation and metadata you will develop and provide that are accompanying the data? (In documentation provide all information needed for users to be able to read and interpret the data in the future e. g. code books, ReadMe files, etc.)	The pen and paper calculations will contain all necessary steps to allow users to follow them in the future. If computer algebra systems are used, the notebooks generated in them will likewise be provided with comments that allow users to interpret the calculations and their results in the future.
2.	Ethics, legal and security issues	
	Are you restricted by a	I am not restricted by a confidentiality agreement. Since the project does not need experimental or

	confidentiality agreement? Do you have the necessary permission to obtain process, preserve and share the data? Have the people whose data is being preserved been informed or did they give their consent? What methods will you use to ensure the protection of sensitive data (GDPR special category personal data, specify methods of data anonymization)?	observational data in the conventional sense, there are no issues regarding permissions to obtain, process, preserve and share data. Only calculations performed by team members, who are informed and give their consent, will be preserved. There are no issues regarding protection of sensitive data.
	How will you regulate access to the data and their security? What potential risks do you have to take in consideration? How will you ensure safe sensitive data storage?	In-between-steps of calculations and final results will be publicly accessible in preprint form on the arXiv.org repository. Further details on calculations or results will be shared with colleagues, upon request. As the project will not generate sensitive data, there are no potential risks or issues regarding safe sensitive data storage that need to be taken into consideration.
	How will you manage copyright and Intellectual Property Rights issues? Who will be the owner of the data? Which licenses will be applied to the data? What restrictions apply to the reuse of third-party data?	There are no copyright or Intellectual Property Rights issues associated to data generated by this project. The stored scans or notebooks of calculations generated by the project will remain ownership of the team members of the project. Preprints will be uploaded to arXiv.org, according to the Creative Commons licenses, provided by arXiv.org (in particular the CC BY license). There are no restrictions on the reuse of third-party data that are associated to this project.
3.	Data storage and preservation	
	How will you store different versions of data during the project? How will your data be backed-up during the project? What amount of data are you expecting to be collected and stored during the project (specify in MB/GB/TB)	The research will proceed via pen and paper calculations or sometimes by creating notebooks with calculations in computer algebra systems. These pen and paper calculations will be scanned and, along with the notebooks, stored in special directories associated to the activity package they belong to. Important in-between-steps in the calculations, as well as the final results will be published in journal articles, of which preprints will be put publicly available on the on-line repository arXiv.org. Regular backups of the directories containing scans and notebooks on external hard disks will be made during the project. The amount of scanned calculations and notebooks is expected to be of the order of 500 MB.
	How will your dataset be curated and preserved during the project and after the project? What file formats will be used for data storage? What amount of data are you expecting to be collected and stored after the project (specify in MB/GB/TB)	The research will proceed via pen and paper calculations or sometimes by creating notebooks with calculations in computer algebra systems. These pen and paper calculations will be scanned and, along with the notebooks, stored in special directories associated to the activity package they belong to. Important in-between-steps in the calculations, as well as the final results will be published in journal articles, of which preprints will be put publicly available on the on-line repository arXiv.org. Regular backups of the directories containing scans and notebooks on external hard disks will be made during the project. The amount of scanned calculations and notebooks is expected to be of the order of 500 MB. The file formats of scans will be pdf or image formats like jpeg. The file formats of notebooks will correspond to the ones provided by the computer algebra systems used in creating

		them (e.g. Mathematica, Sage, Cadabra).
4.	Data sharing and reuse	
	How and where will the data be shared? On which repository do you plan to share your data? How will potential users find out about your data?	In-between-steps of calculations and final results will be publicly accessible in preprint form on the arXiv.org repository. Further details on calculations or results will be shared with colleagues, upon request. The preprints will be announced on arXiv.org one or a few days after uploading to arXiv.org.
	If there is any data which cannot be shared (due to legal, ethical, copyright, confidentiality reasons) explain the reasons of restrictions	There are no data that can not be shared.
	Confirm that the digital repository you choose is in line with the FAIR principles	The repository arXiv.org is in line with the FAIR principles.
	Please confirm that you will use a digital repository maintained by a non-profit organisation (if not please explain why)	The repository arXiv.org is maintained by a non-profit organization.