

[List](#) |
 [New](#) |
 [Edit](#) |
 [Delete](#) |
 [Reply](#) |
 [Duplicate](#) |
 [Find](#) |
 [Config](#) |
 [Help](#)

Message ID: 112 Entry time: 5/6/2021 9:57:45 AM

Experiment Date:	2020 02 05
Duration (Days):	2
User:	M. Barac, Z. Siketic
Accelerator:	Tandetron
Beam Line:	Old uProbe
Project:	RADIATE JRA (H2020 projekt)
Experiment Title:	LE MeV SIMS - yield dependence of ITO, ZrO and leucine
Beam:	150 keV - 5 MeV Cu
Method:	MeV SIMS

SETUP:

V_chopper = +-100 to +- 300 V

chopper high = 100 us

chopper low = 100 us

V_ext = +5 kV

V_det = -5 kV

file	sample	beam	I_before / kHz	I_after / kHz	V_chopper / V	notes
2002031	leucine	5 MeV Cu6+	0.38	0.31	300	
2002032	ITO	5 MeV Cu6+	0.42	0.41	300	
2002033	ZrO2	5 MeV Cu6+	0.41	0.33	300	
2002034	ZrO2	3.47 MeV Cu5+	0.655	0.685	300	
2002035	ITO	3.47 MeV Cu5+	0.685	0.737	300	
2002036	leucine	3.47 MeV Cu5+	0.737	0.77	300	
2002037	leucine	2.22 MeV Cu4+	2.22	2.25	300	
2002038	ITO	2.22 MeV Cu4+	2.25	2.32	300	
2002039	ZrO2	2.22 MeV Cu4+	2.32	2.33	300	
2002040	ZrO2	1.25 MeV Cu3+	2.35	2.62	300	
2002041	ITO	1.25 MeV Cu3+	2.62	2.56	300	
2002042	leucine	1.25 MeV Cu3+	2.56	2.25	300	
2002043	leucine	555 keV Cu2+	18.7	19.2	300	
2002044	ITO	555 keV Cu2+	19.2	18.1	300	
2002045	ZrO2	555 keV Cu2+	18.1	16.1	300	
2002046	ZrO2	300 keV Cu2+	1.45	1.8	300	
2002047	ITO	300 keV Cu2+	1.8	1.15	300	
2002048	leucine	300 keV Cu2+	1.62	1.2	300	
2002049	leucine	150 keV Cu2+	0.013	-	100	A. slits opened 3.5 rounds
2002050	leucine (again)	150 keV Cu2+	0.013	0.07	100	chopper high = 50 us chopper low = 50 us
2002051	ITO	150 keV Cu2+	0.09	0.09	100	
2002052	ZrO2	150 keV Cu2+	0.09	0.09	100	