

**Recommendation of the Warsaw Heavy Ion Laboratory Program Advisory Committee for proposals presented during the HIL PAC meeting on the 14th of April, 2023**

Proposal	Spokes-persons	Title and requested beam	8-hour shifts	
			requested	recommended
HIL106	C. Petrache	<i>Shape coexistence and octupole correlations in the light Xe, Cs and Ba nuclei</i> beam : $^{32}\text{S}$ (150 MeV)	42	42
HIL107	J. Choiński	<i>Commissioning of the research stand for irradiation with the internal beam of the cyclotron</i> beam: $^4\text{He}$ (32 MeV)	13	13
HIL108	N. Burtabayev M. Nassurlla	<i>Study of the Elastic Scattering and Transfer Reactions of Protons and Clusters in the Interaction of <math>^{14}\text{N}</math> with <math>^{10}\text{B}</math> Nuclei at Energies Near the Coulomb Barrier</i> beam: $^{14}\text{N}$ (84 – 112 MeV)	35	0
HIL109	Ch. Fransen C. D. Lakenbrink F. von Spee	<i>Lifetime studies in neutron-deficient <math>^{172}\text{Os}</math> using the RDDS technique</i> beam: $^{32}\text{S}$ (164.8 – 169.6 MeV)	18	18
HIL110	P. Horodek	<i>The effect of defects in the near-surface region on the oxidation mechanism of high-purity copper</i> beam: $^{20}\text{Ne}$ (130 – 160 MeV)	12	12
HIL111	G. Colucci E. Piasecki, A. Trzcińska	<i>Transfer cross sections at near-barrier energies for the <math>^{20}\text{Ne}+^{92,94,95}\text{Mo}</math> systems</i> beam: $^{20}\text{Ne}$ (60, 65, 70 MeV; change by ~ 5 MeV step)	42	42
HIL112	A. Trzcińska G. Colucci E. Piasecki	<i>Commissioning of a new setup for near and sub-barrier fusion reaction studies at HIL</i> beam: $^{20}\text{Ne}$ (65 MeV)	15	15
HIL113	K. Hadyńska-Klęk M. Rocchini N. Marchini	<i>Emergence of collectivity near magic nuclei: Coulomb excitation of <math>^{62}\text{Ni}</math></i> beam: $^{20}\text{Ne}$ (35 – 40 MeV)	15	15
HIL114	B. Saygi	<i>Gamma Ray Spectroscopy of <math>^{134}\text{Sm}</math></i> beam: $^{32}\text{S}$ (152 – 156.8 MeV)	42	42
HIL115	M. Matejska-Minda	<i>Study of the anomalous behavior of the Coulomb energy difference in the <math>A = 70</math>, <math>T = 1</math> isobaric multiplet</i> beam: $^{32}\text{S}$ (87 – 90 MeV)	42	42