

Abstract Submitted  
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**Design of the polarized radioactive ion beams with RISP for nuclear structure, reaction and astrophysics experiments** WOORYOUNG KIM, ALEKSEY GLADKOV, YONGGEUN SEON, Kyungpook National University, Korea, JONGWON KIM, CHONGCHEULL YUN, Rare Isotope Science Project, Daejeon, 305-811, Korea, POLARIZED BEAMS COLLABORATION — Polarized RI beams have been designed with RISP for the study of the nuclear structure, reaction and astrophysics. A powerful methods has been adopted for this work - production of polarized RI-beam via projectile fragmentation. The in-flight system line was designed for this purpose at Rare Isotope Science Project (RISP) using projectile fragmentation method. Working principle, schematic design and experiments to be performed at RISP will be presented.

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