

Abstract Submitted  
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**Excited state energies of neutron-rich Fe isotopes from knock-out**<sup>1</sup> V. WERNER, TU Darmstadt, Yale, C. LOUCHART-HENNING, M. LETTMANN, TU Darmstadt, P. DOORNENBAL, T. UESAKA, RIKEN, A. OBERTELLI, C. SANTAMARIA, A. CORSI, CEA Saclay, R. TANIUCHI, H. SAKURAI, M. NIIKURA, U. Tokyo, S. FRANCHOO, L. OLIVIER, IPN Orsay, Y. SHIGA, Rikkyo U., SEASTAR COLLABORATION — Within the first SEASTAR campaign at RIKEN-RIBF excited-state energies of neutron-rich Fe and Cr isotopes, as well as  $^{78}\text{Ni}$  have been measured. Experiments were performed using the DALI2 scintillator array in conjunction with the MINOS liquid-hydrogen target and TPC system. The RIKEN-RIBF cyclotrons delivered a 345 MeV/u  $^{238}\text{U}$  beam with an intensity of about 13 pA impinging on a Be target. Fission fragments were separated and identified using the BigRIPS Spectrograph before the secondary target, and reaction products using the ZeroDegree Spectrograph after the secondary target. Progress in the analysis of Fe isotopes will be presented.

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Volker Werner  
TU Darmstadt

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