

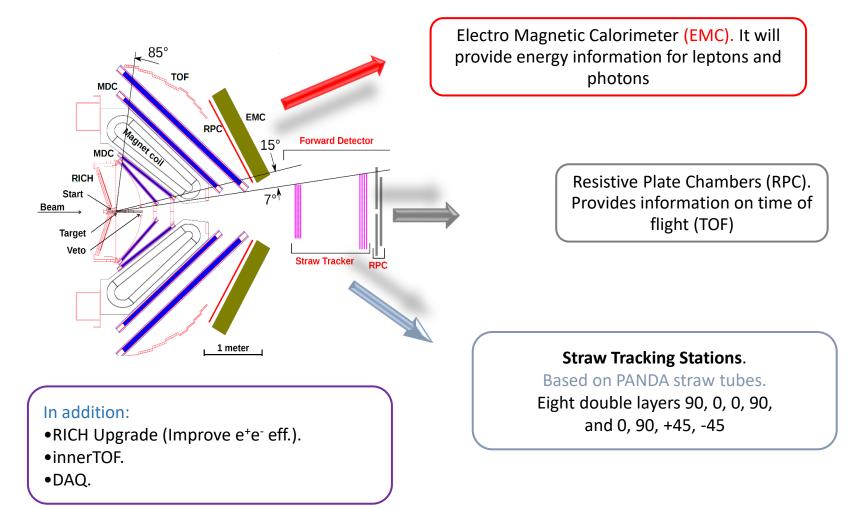


Production and Decay Production of Excited Hyperons at PANDA@HADES Waleed Esmail on behalf of the PANDA@HADES Collaboration





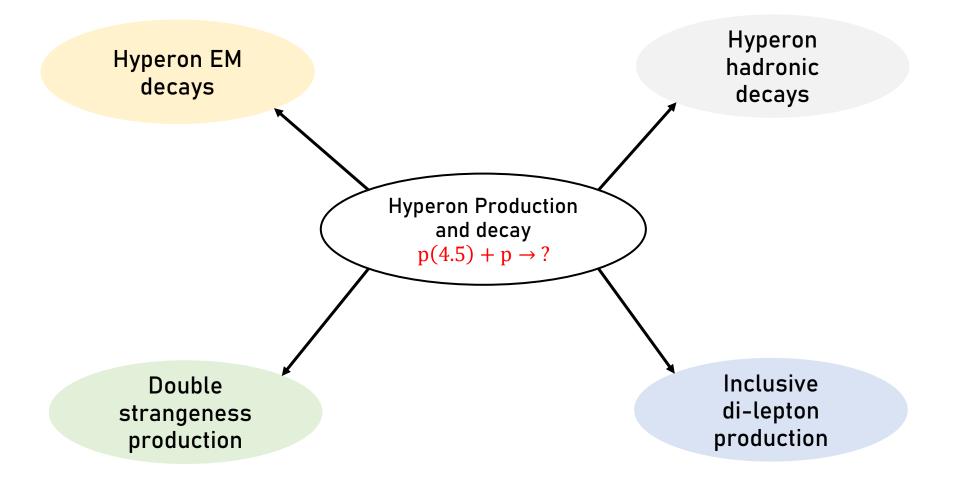
HADES Detector Upgrade







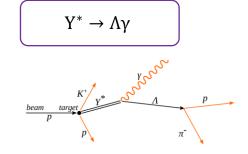
FAIR Phase-0 Physics Program



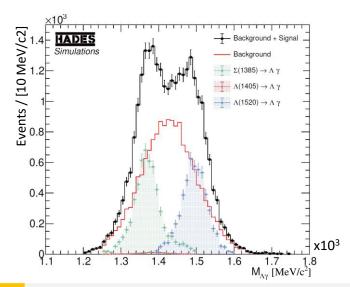


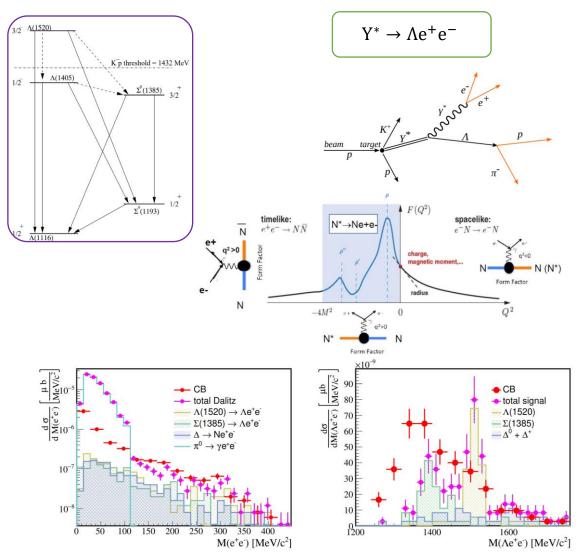


Hyperon Structure



Model	$\Sigma(1385) \rightarrow \Lambda \gamma$	$\Lambda(1405)\to\Lambda\gamma$	$\Lambda(1520) \rightarrow \Lambda \gamma$
NRQM	263	200	156
RCQM	267	118	215
MIT Bag	152	60	46
Algebraic model	221	117	85
$HB\chi PT$	290-470	-	÷
CLAS Experiment	$479 \pm 120^{+81}_{-100}$	-	$176 \pm 43^{+26}_{-12}$





Production and electromagnetic decay of hyperons: a feasibility study with HADES as a phase-0 experiment at FAIR, HADES Collaboration, Eur. Phys. J. A (2021) 57: 138





THANK YOU FOR YOUR ATTENTION