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## Modular universal detector for HESR.

- search for the bound states with gluonic degrees of freedom: glueballs and hybrids of the type  $ggg$ ,  $\bar{Q}Qg$ ,  $Q^2g$  in mass range from 1.3 to 5.0 GeV. Especially pay attention at the states  $\bar{\psi}\psi$ ,  $\bar{c}c$  in mass range from 1.8 – 5.0 GeV.
- charmonium spectroscopy  $\bar{c}c$  in mass range up to 5.2 GeV:  $p\bar{d} \rightarrow \bar{p}p$   $pA$ .
- spectroscopy of baryons with strangeness and charm  $\Omega_c^0$ ,  $\Xi_c^-$ ,  $\Xi_c^0$ ,  $\Xi_c^{++}$ ,  $\Omega_c^{++}$ ,  $\Sigma_b^0$ ,  $\Sigma_b^+$ ,  $\Xi_b^0$ ,  $\Xi_b^-$ .
- charmed and bottom physics:  $pp \rightarrow A, X; p\bar{p} \rightarrow A, pX; pp \rightarrow A, pD; pp \rightarrow A, pB$ .