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Charge state dependence of 0° binary encounter electron production in B^{q+} (q=2-5) in collisions with H_2[1] E.P. BENIS, T.J.M. ZOUROS, Univ. of Crete, Heraklion, Crete, Greece & J.R. Macdonald Lab, Kansas State University, H. ALIABADI, M. ZAMKOV, C.P. BHALLA, P. RICHARD, J.R. Macdonald Lab, Kansas State University — We report on the zero-degree double differential cross section (DDCS) measurements of the well-known Binary Encounter electron (BEe) peak enhancement factors for the case of $B^{(2-5)+}$ + H_2. Determination of the absolute BEe DDCS are of potential interest in zero-degree Auger electron projectile spectroscopy, as it may be used for determining overall experimental efficiencies, and therefore used for absolute DDCS measurements in general. The experimental DDCS are in excellent agreement with the ESM calculations.

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[X] Prefer Oral Session
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