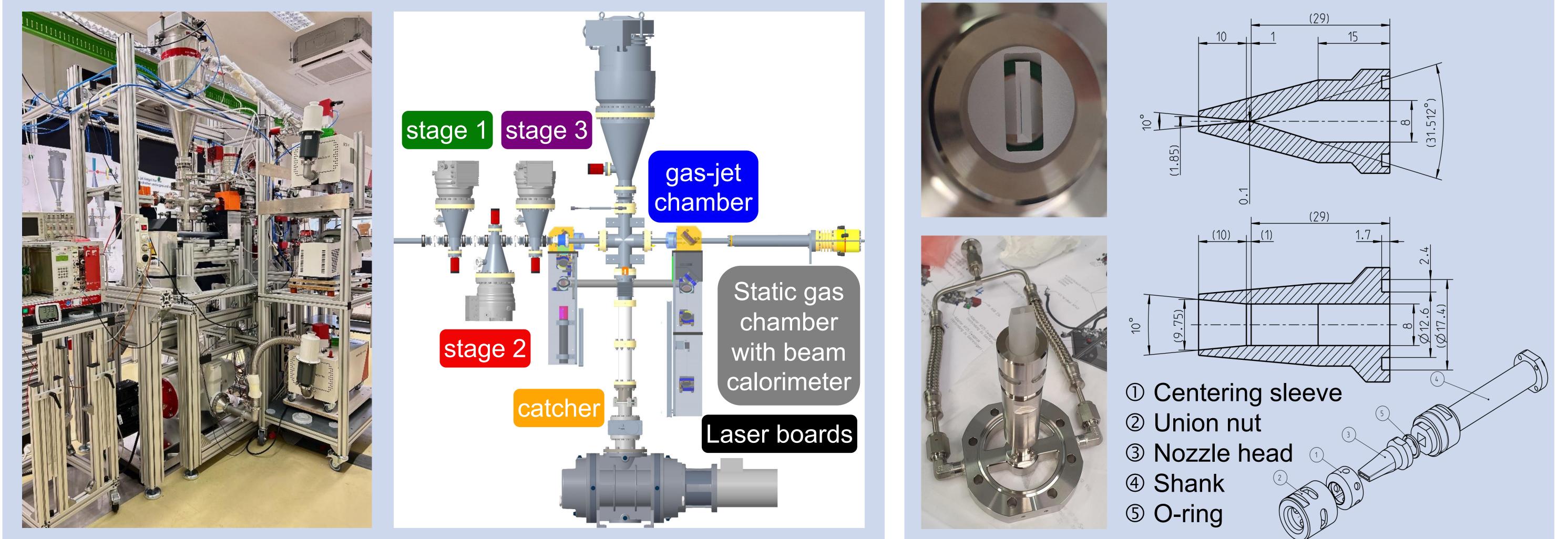
Advanced Gas Target Techniques for Nuclear Astrophysics K. Schmidt¹, A. Yadav^{1,2}, D. Bemmerer¹

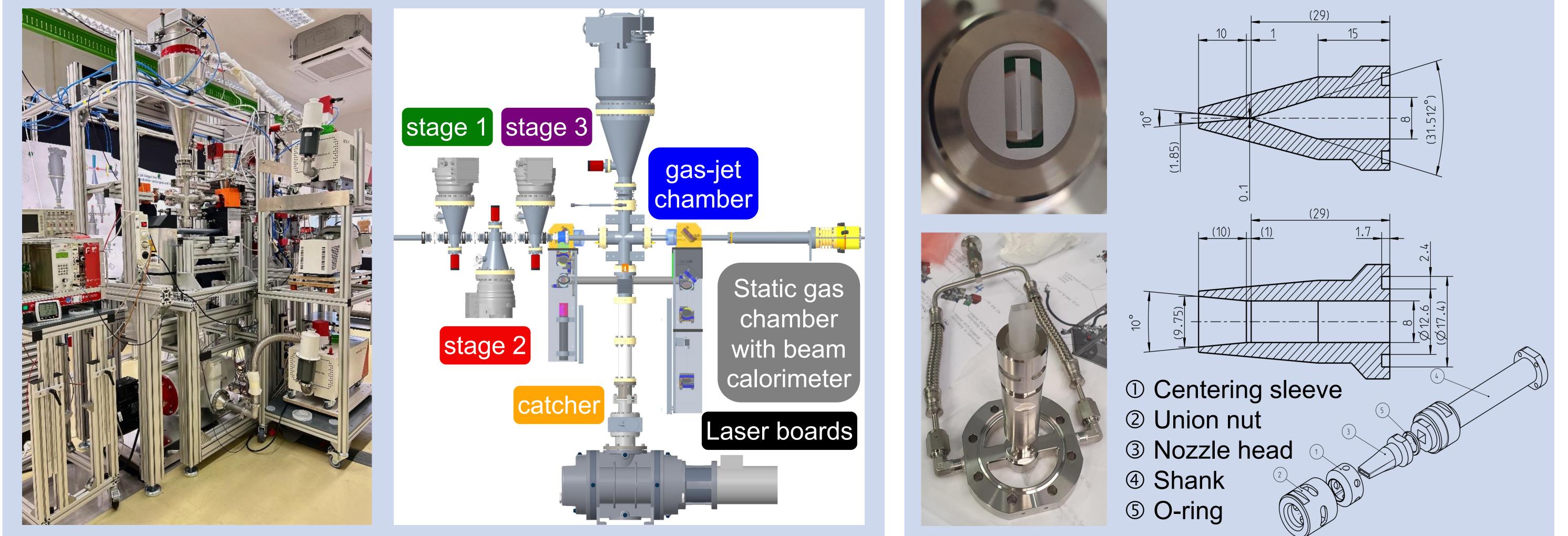


HELMHOLTZ ZENTRUM **DRESDEN** ROSSENDORF

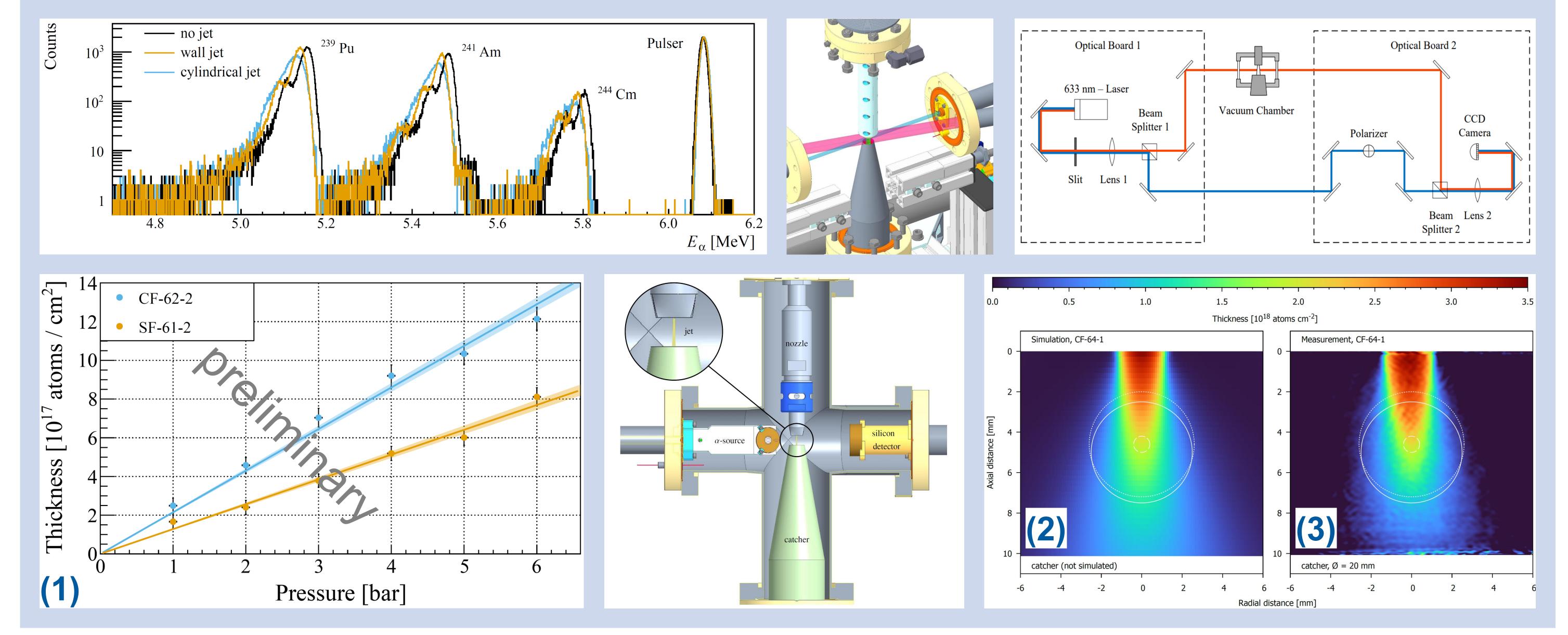
Felsenkeller Combined (Jet/Static) Gas Target Setup

Slit-type glass nozzles from FMTC, LT

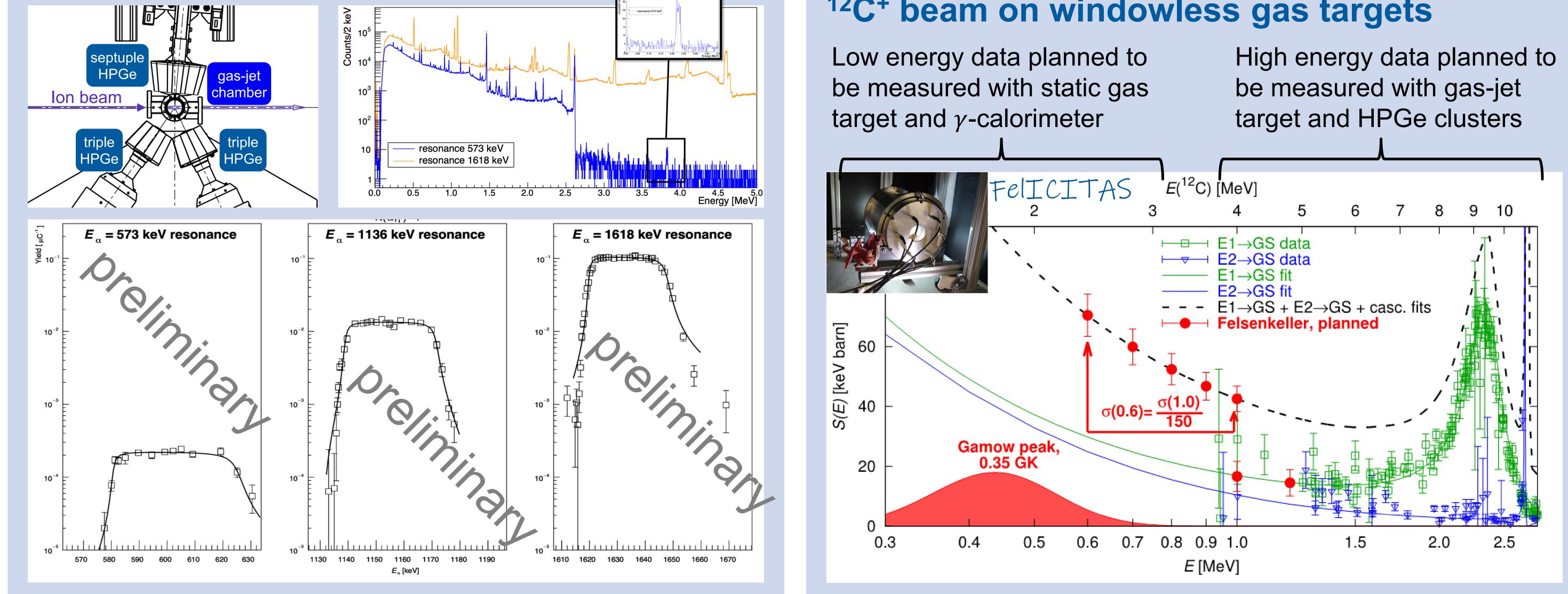




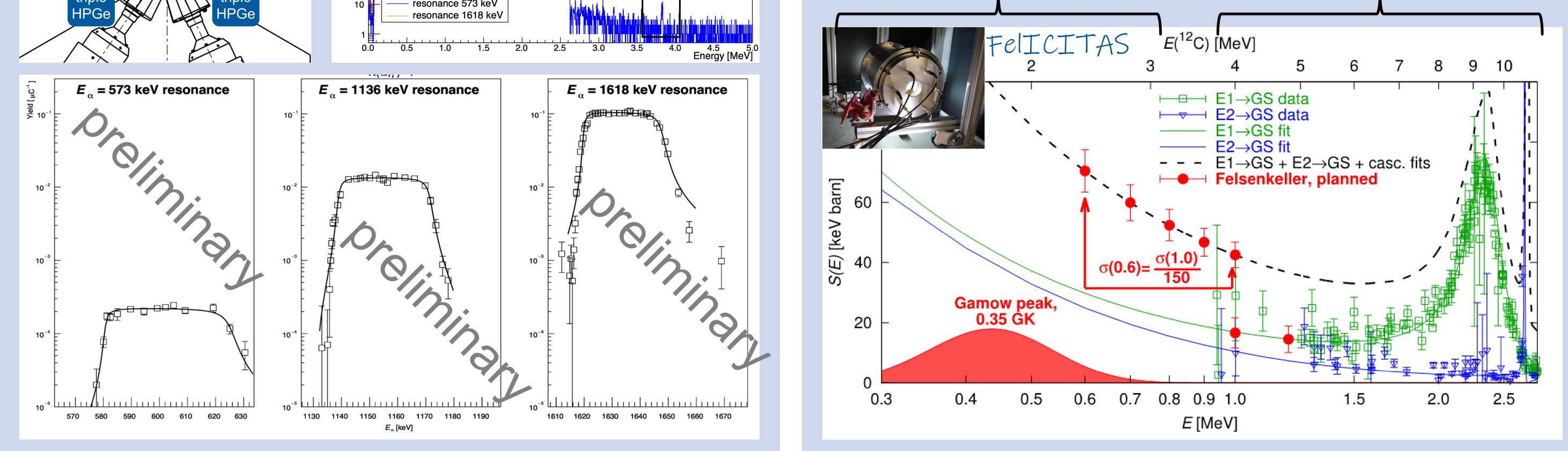
Jet thickness from (1) α energy loss, (2) laser interferometry, and (3) ANSYS Fluent simulation



¹⁴N(α, γ)¹⁸F reaction studied at Felsenkeller



$^{12}C(\alpha, \gamma)^{16}O$ potential for Felsenkeller with ¹²C⁺ beam on windowless gas targets



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