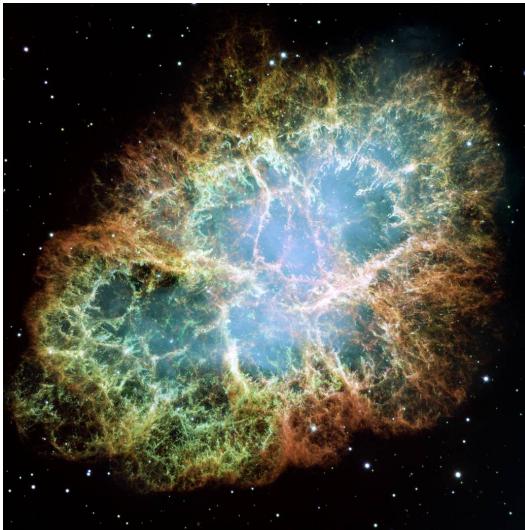
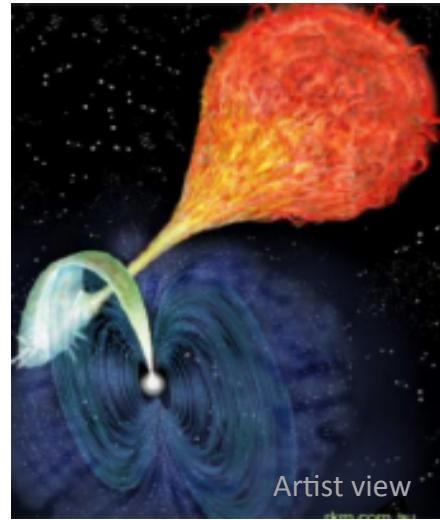


Interaction of a highly radiative shock with a solid obstacle

Th. Michel, M. Koenig, R. Yurchak, C. Michaut, B. Albertazzi, G. Rigon,
S. Laffite, E. Falize, L. Van Box Som, Y. Sakawa, T. Sano, H.
Shimogawara, R. Kumar, Y. Hara, T. Morita, Y. Kuramitsu, P. Barroso, A.
Pelka, G. Gregori, R. Kodama, N. Ozaki, P. Tzeferacos, D. Lamb



The Crab Nebula
NASA, ESA, J. Hester, A.
Loll (ASU)



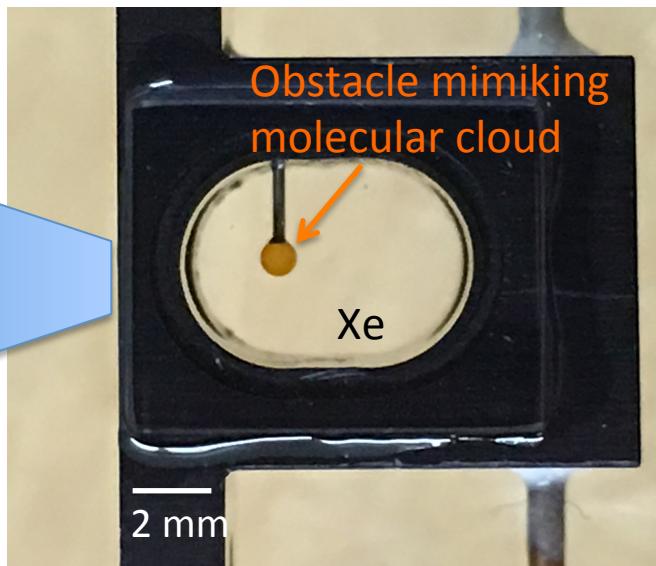
Polar Project
(Falize & Al)



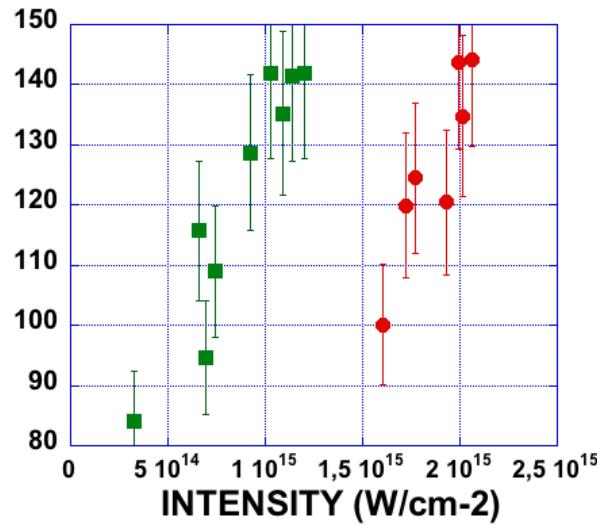
*M16 Pillars of
Creation, J. Hester,
P. Scowen (ASU),
HST, NASA*

LASER

1 kJ in 500 ps
 $\Phi = 350 \mu\text{m}$

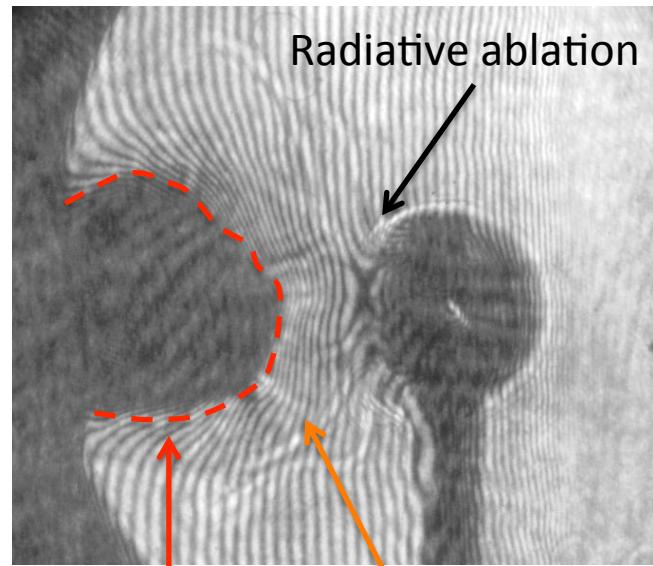


Transverse diagnostics to get V_{shock} , n_e , T_e



The radiative flux heats the UPSTREAM gas => Radiative precursor

Interferometry at $t = 10 \text{ ns}$



- The radiative flux plays a crucial role (radiative precursor, ablation...)
- The radiative pressure is still negligible but will play a role in future experiments
- Upcoming LMJ experiment