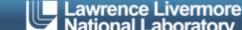
Panel Discussion: Comments on Optics and Lasers for Gamma-Gamma Colliders

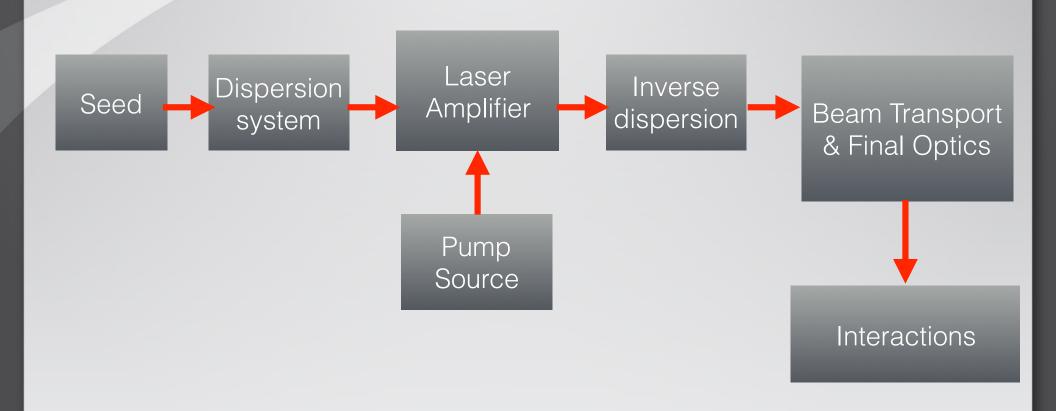
ICFA Workshop on Gamma-Gamma Colliders Beijing

> Dr. C. P. J. Barty Chief Technology Officer - NIF and Photon Science Directorate Chair - International Committee on Ultrahigh Intensity Lasers

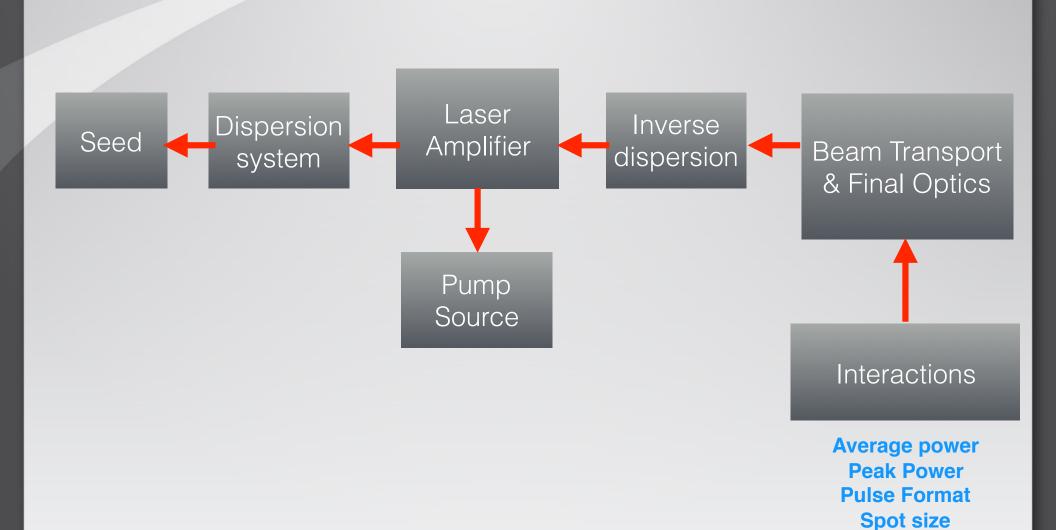




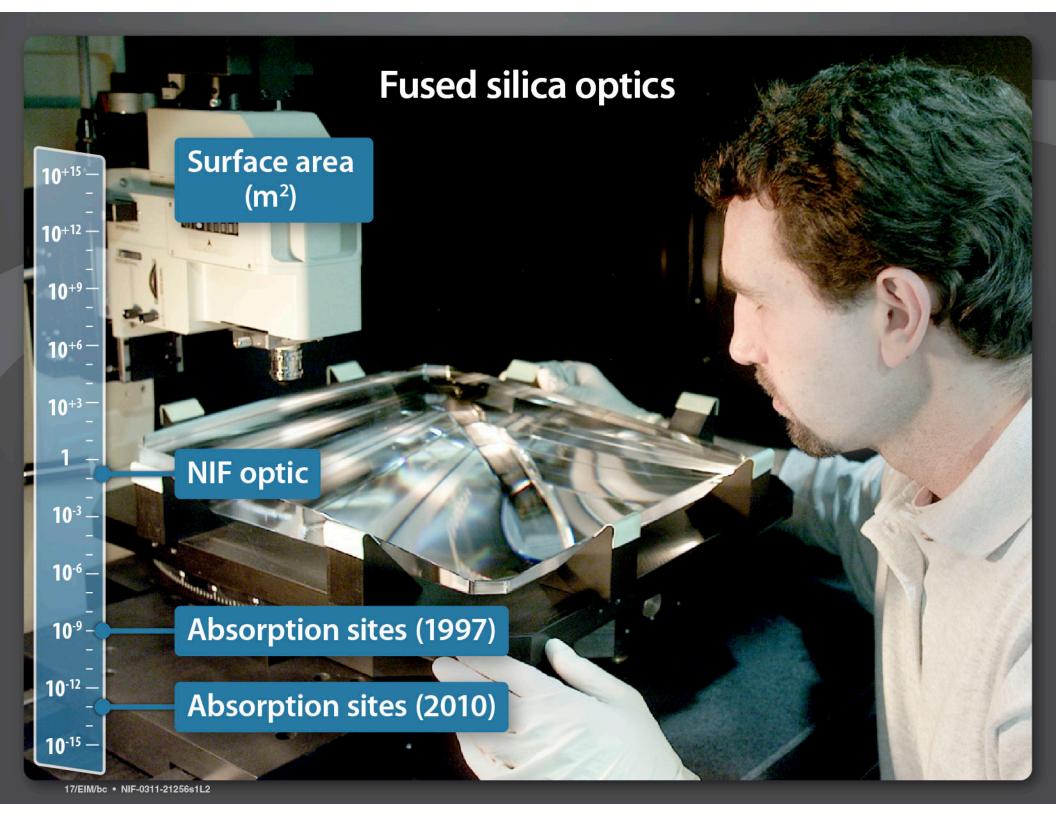
Generic system architecture for gamma-gamma drive laser looks the same for many systems



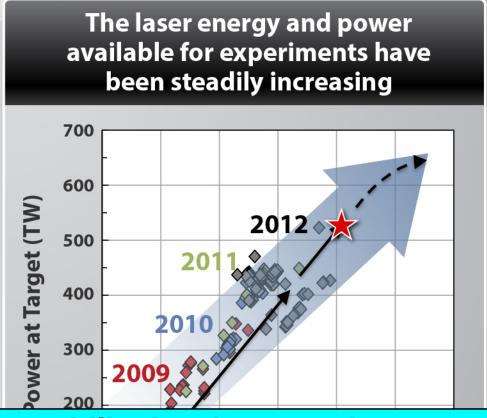
Design and development of a real system flows from the interaction requirements



etc.



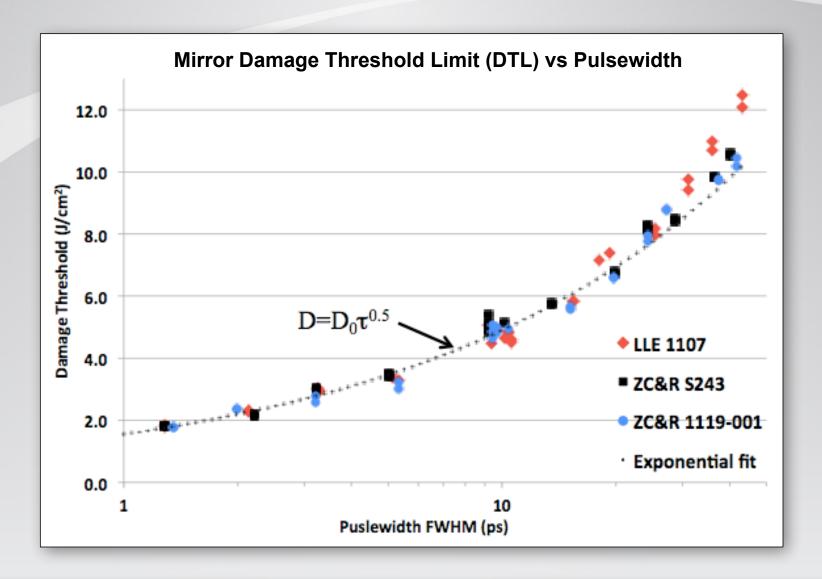
NIF's operational capabilities now exceed its initial design specifications in all parameters



NIF capability has increased on average by 1 kilojoule per day since 2009!

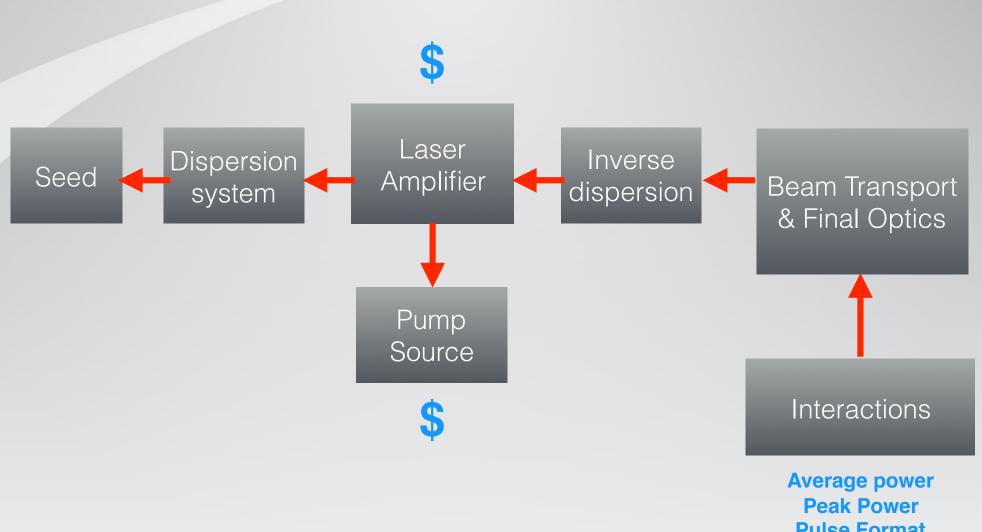


Final optic damage limits performance



DTL is the fluence where probability of damage is UNITY

Design and development of a real system flows from the interaction requirements



Pulse Format Beam Quality etc.