

XP Shot Planning Form

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Author	Vlad Soukhanovskii
Title	Divertor heat flux reduction and detachment
ET Group	Edge Physics
Describe the shot(s) you require	Plasma current magnitude: 0.8-1.0 MA L-mode or H-mode: H-mode With or without ELMs: Small ELMs or no ELMs DN, LSN or USN: LSN with drsep - 1-2 cm Acceptable Elongation range: 1.8-2.0 Acceptable Triangularity range: ~ 0.5 Does this shot use PF1B? No
Describe fuelling requirements	Center stack gas pressure and injection time: 1200-1400 T Branch 5 gas injection requirements: Pressure: 1300-1800 T Supersonic gas injection requirements: None
Reference shot number	116485, 116488
Glow discharge requirements	10-15 min HeGDC
rtEFIT requirement	Do you require rtEFIT capability? Yes If so do you have a target shot number to use? 116488 Are you willing to spend your XP time for rtEFIT development? No
Any other special requirements for this shot?	Branch 5 Injector FLO mode must be tested and calibrated prior to XP execution
Any other useful information?	