

Budny's notes about EPS2011

<http://ocs.ciemat.es/EPS2011PAP/html/>

JET New management assignments

Mood in Europe

Osamu Motojima ITER, new assignments
 budget, blame it on the earthquake
 start without NNBI for one year

T. Bolzonella O5.128: JT-60SA
 (cold wall, low P/R)

Alfven Award winners

A. Hasegawa
K. Mima
P. Diamond

Siegfried Glenzer I1.001: NIF E14 neuts 30GB; completed 2nd step (tuning)
 3rd step = ignition needs faster compression with better hohlraum

George Sips O5.127: Future DT experiment in JET
 Better NBI and diagnostics
 explore DT Hybrid, SS; alpha physics; Technology

Sergre Sharapov P5.117: detecting alphas in future JET exp
 simulates alpha-driven TAE during density rampdown

Ian Chapman I2.108: sawteeth
 want fast sawteeth to avoid NTM
 computes fast ion $\delta\tilde{W}$ and current drive effects near $q = 1$

Emiliano Fable P2.115: Temperature predictions for a ASDX-U I_p scan
 ASTRA with TGLF and GLF23

Paola Mantica I4.112: stiff χ_i in JET
 flow shear effects only when \tilde{s} is small

Gary Staebler O4.122: intrinsic momentum in nonlinear GYRO and TGLF
 sheared v_{\parallel} and ExB Doppler shift

Jeranimo Garcia P2.122: Hybrid in JET
 want $j_{\text{pol}} = 0$ for steady q

Geraldo Giruzzi I5.116: ITER AT modeling with CRONOS
 proposes ITER SS by cycling current drive to recharge OH coil

Budny	O3.111: alpha heating in ITER L-mode and H-mode plasmas large range of predictions due to uncertainties in flow shear
Tom Casper	P1.106: ITER pre-activation phase modeling with CORSICA TORIC installed, still using Coppi-Tang
Richard Pitts	I1.301: PMI in ITER very small parallel heat flow length
Costanza Maggi	P4.061 L-H threshold
W.S. Cook	P1.098: alpha channeling