

round table magnet discussion  
and conclusions

CARE-HHH IR'07

phase-1 / phase-2 magnets:  
complementing synergy or divergent goals?

$\beta^*$  in phase-1?

Nb<sub>3</sub>Sn coils at CERN:  
how fast this new finding can become beneficial (if)?

130 diameter quadrupoles in US: how fast ?

D0 / Q0 magnets: how to streamline the effort ?

mixed quadrupole triplet in competitive bid:  
is it an efficient idea?

field quality in the mixed triplet

US-LARP strategy; locations and specs for QA magnets in LHC, success-oriented schedule, crab cavities in US LARP

crab cavity experience at KEKB

experimental tests of various types of leveling?  
(see also BEAM'07 talks by Lebedev & Shiltsev)

luminosity increase via current and/or beta\*

minimum acceptable luminosity lifetime?

off-momentum beta beating

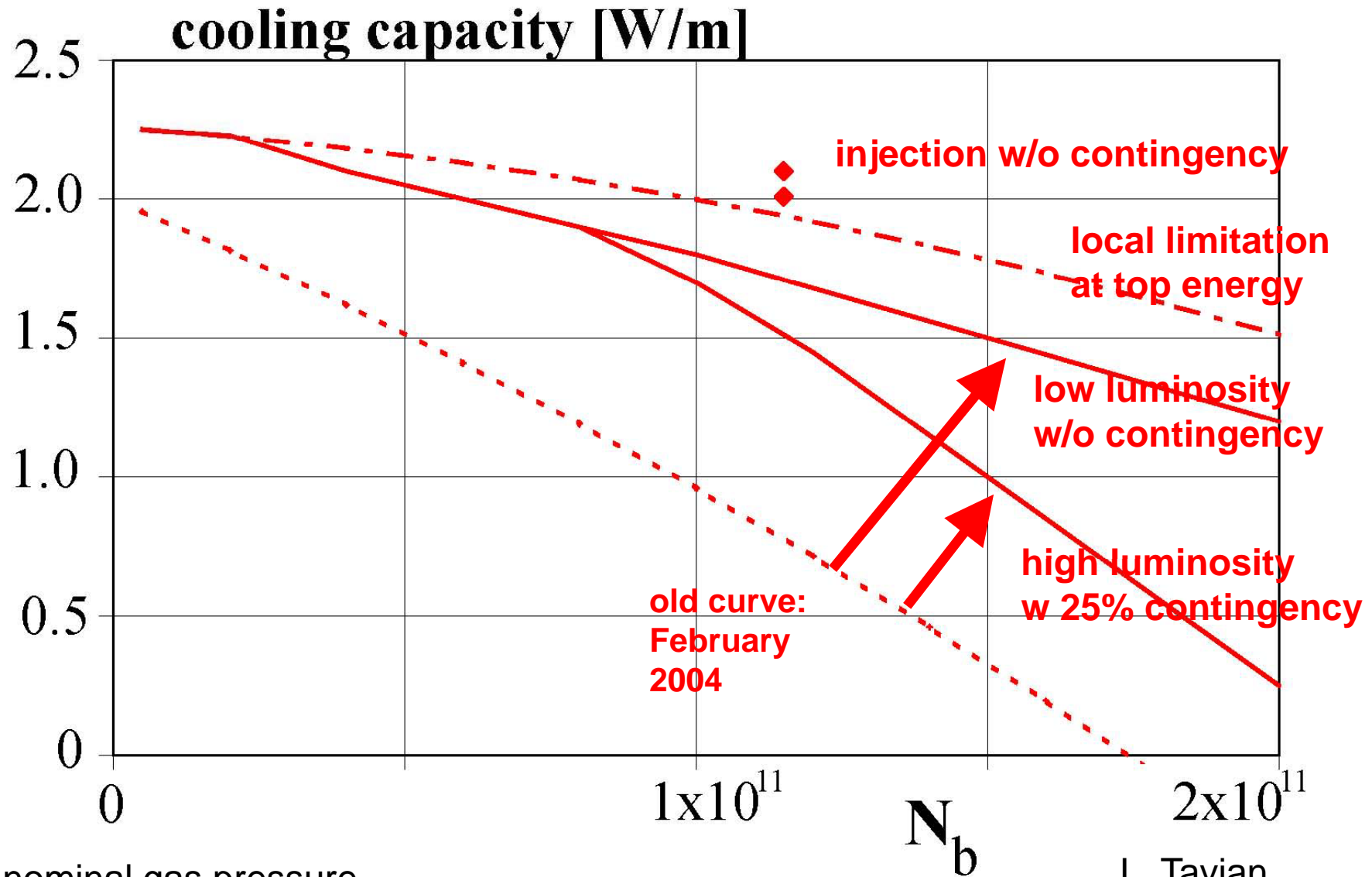
can we have larger aperture magnets without increasing the outer diameter?

do we need to upgrade the IR cryoplants?

temperature issues 1.9 K vs 4.5 K (vacuum etc)

decay and snapback in Nb<sub>3</sub>Sn magnets

# spare cooling capacity (e.g. for e- cloud)



nominal gas pressure,  
separate cryoplant for rf cavities, not for ITs

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