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M E M O R A N D U M

To/A: H.J. SPECHT, Chairman PSC Committee  
From/De: J. KIRKBY, E. STEFFENS  
Subject/: Compatibility of P92 and P97  
Concerne

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Two experiments propose to operate gas jet targets at the same straight section of LEAR during the post-ACOL period: the 'Heidelberg' polarized target experiment P92 and the JETSET experiment P97. Following discussions between our collaborations we conclude that both experiments can coexist without any compromise to their physics programmes. The scenario would be as follows:

- 1) The phase 1 JETSET detector and gas jet is installed at LEAR at the beginning of 1988. The phase 1 physics programme is carried out during 1988 and the early part of 1989.
- 2) During 1989, following successful tests at Heidelberg, the JETSET apparatus is withdrawn from LEAR and is replaced by the P92 detector and gas jet.
- 3) The P92 apparatus occupies the LEAR straight section for the projected period.
- 4) After completion of the first round measurements, a continued gas-jet programme would develop.

Our intention is to operate together as flexibly as possible along the lines described above. We share a common interest in LEAR physics using internal gas jets, in particular in association with polarization. We therefore feel our two experiments should operate harmoniously and, moreover, should result in mutual benefit for development of the polarized jet targets.