

## ETL TECHNICAL REPORT

- TR-99-20 Proof-Set Search**  
Martin MÜLLER  
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- TR-99-21 Selective Reduction Method for Tc Enhancement over 130 K in  $\text{Cu}_{1-x}\text{Tl}_x\text{-1223}$  System**  
Hideo IHARA, Kosuke TANAKA, Yasumoto TANAKA, Akira IYO,  
Norio TERADA, Madoka TOKUMOTO, Minoru ARIYAMA,  
Fumiko TATEAI, Masahiro KAWAMURA, Katsuei ISHIDA, S. MIYASHITA,  
Kazuyasu TOKIWA, Tsuneo WATANABE  
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- TR-99-22 Preparation of Biaxially Oriented TlCu-1234 Thin Film**  
Hideo IHARA, Nawazish Ali KHAN, Yoshiyasu SEKITA, Fumiko TATEAI,  
Takahiro KOJIMA, Katsuei ISHIDA, Norio TERADA  
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- TR-99-23 Selective-Over-Doping in  $\text{Cu-1234}(\text{CuBa}_2\text{Ca}_3\text{Cu}_4\text{O}_{12-y})$  System with High Tc > 116 K and Low Superconducting-Anisotropy 1.6**  
Yasumoto TANAKA, Hideo IHARA, Akira IYO, Norio TERADA,  
Kazuyasu TOKIWA, Tsuneo WATANABE, Yo TOKUNAGA, Kenji ISHIDA,  
Yoshio KITAOKA, Noriaki HAMADA  
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- TR-99-24 Selective Reduction for Hole-Doping in  $\text{Cu}_{1-x}\text{Tl}_x\text{-1223}$  ( $(\text{Cu,Tl})\text{Ba}_2\text{Ca}_2\text{Cu}_3\text{O}_{10-y}$ ) System with Tc > 132K**  
Yasumoto TANAKA, Hideo IHARA, Kosuke TANAKA, Akira IYO,  
Norio TERADA, Yoshiyasu SEKITA, Nawazish Ali KHAN, Fumiko TATEAI,  
Masahiro KAWAMURA, Katsuei ISHIDA, S. MIYASHITA, Tsuneo WATANABE  
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- TR-99-25 Pressure effect on Tc in  $(\text{Cu,Tl})\text{Ba}_2\text{Ca}_2\text{Cu}_3\text{O}_y$  superconductor**  
Yasumoto TANAKA, Kazuyasu TOKIWA, H. AOTA, C. KUNUGI,  
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- TR-99-26 Carrier doping and superconducting properties in Cu-1234 and CuTl-1223 superconductors**  
Yasumoto TANAKA, Tsuneo WATANABE, S. MIYASHITA, N. ICHIOKA,  
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- TR-99-27 Electronic Band Structure of  $\text{CuBa}_2\text{Ca}_2\text{Cu}_3\text{O}_{10+x}$  ( $x=0,1$ )**  
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