

## ETL TECHNICAL REPORT

- TR-2000-16 Origin of ferromagnetic exchange interactions in a fullerene-organic compound**  
Madoka TOKUMOTO, B.Narymbetov, A.Omerzu, V.Kabanov, Hayao KOBAYASHI, D.Mihailovic  
(Accepted November 13, 2000)
- TR-2000-17 Scanning Tunneling Microscopy and Spectroscopy of Multiwall Carbon Nanotubes**  
Madoka TOKUMOTO, A.Hassanien, X.Zhao, Y.ANDO  
(Accepted November 13, 2000)
- TR-2000-18 Structural peculiarities of TDAE\*C<sub>60</sub> single crystal at low temperatures**  
Madoka TOKUMOTO, B.Narymbetov, H.KOBAYASHI, A.Omerzu, D.Mihailovic  
(Accepted November 13, 2000)
- TR-2000-19 Effect of the Neutron Irradiation of the High Temperature superconductor (Cu,C)Ba<sub>2</sub>Ca<sub>n-1</sub>Cu<sub>n</sub>O<sub>2n+4-δ</sub>(n=3,4 and 5)**  
Hijiri KITO, Akira IYO, Madoka TOKUMOTO, Satoru OKAYASU, Hideo IHARA  
(Accepted November 13, 2000)
- TR-2000-20 Two-Dimensional Nature of Four-Layer Superconductors by Inequivalent Hole Distribution**  
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(Accepted November 13, 2000)
- TR-2000-21 High-pressure synthesis of TlBa<sub>2</sub>Ca<sub>n-1</sub>Cu<sub>n</sub>O<sub>y</sub> (n=3 and 4) with T<sub>c</sub>=133.5K(n=3) and 127K (n=4)**  
A.IYO, Y.AIZAWA, Y.TANAKA, M.TOKUMOTO, H.IHARA  
(Accepted November 13, 2000)
- TR-2000-22 Specific Heat Study on Cu<sub>x</sub>Ba<sub>2</sub>Ca<sub>n-1</sub>Cu<sub>n</sub>O<sub>y</sub>**  
Y.TANAKA, A.IYO, N.SHIRAKAWA, M.ARIYAMA, M.TOKUMOTO, S.I.IKEDA, H.IHARA  
(Accepted November 13, 2000)
- TR-2000-23 Specific Heat Study on Cu<sub>x</sub>Ba<sub>2</sub>Ca<sub>3</sub>Cu<sub>4</sub>O<sub>y</sub>**  
Y.TANAKA, A.IYO, N.SHIRAKAWA, M.ARIYAMA, M.TOKUMOTO, S.I.IKEDA, H.IHARA  
(Accepted November 13, 2000)
- TR-2000-24 Tl-valence change and T<sub>c</sub> enhancement (>130K) in (Cu,Tl)Ba<sub>2</sub>Ca<sub>2</sub>Cu<sub>3</sub>O<sub>y</sub> due to nitrogen annealing**  
Y.TANAKA, K.TANAKA, A.IYO, N.TERADA, K.TOKIWA, S.MIYASHITA, T.TSUKAMOTO, S.K.Agarwal, T.WATANABE, H.IHARA  
(Accepted November 13, 2000)