

PACKAGE ID - 001032SUN0000 ELVIRA

KWIC TITLE - Evaluation of Longitudinal Variabler in
Relativistic Accelerators

AUTHORS - Larson, D.J.
Superconducting Super Collider Laboratory,
Waxahachie, TX, (United States)

LIMITATION CODE -UNL **AUDIENCE CODE** - UNL

COMPLETION DATE - 06/07/1993 **PUBLICATION DATE** - 06/07/1993

DESCRIPTION - ELVIRA is an encoding of an analytical formula to the
calculation of longitudinal dynamics variable evolution during an
accelerator ramp.

PACKAGE CONTENTS - Media Directory; Software Abstract; READ.ME File (2
pages); User's Manual; Media Includes Source Code, Sample Problem
Input and Output;

SOURCE CODE INCLUDED? - Yes

MEDIA QUANTITY - 1 CD Rom

COMPUTER - SUN

OPERATING SYSTEMS - Any system that supports Fortran compiler.

PROGRAMMING LANGUAGES - Vanilla Fortran

SOFTWARE LIMITATIONS - zon.dat and zprep.dat, two output files,
produced by ELVIRA are empty for this version

SOURCE CODE AVAILABLE (Y/N) - Y

RELATED SOFTWARE - Unigraph, graphic utilites

HARDWARE REQS - Size: 213kb executable, 0.37 kb input (ELVIRA.IN), 30
files of about 50kb each are output.

ABSTRACT STATUS - Released AS-IS 7/13/95.

SUBJECT CLASS CODE - VP

KEYWORDS -
COMPUTER PROGRAM DOCUMENTATION
E CODES
SUPERCONDUCTING SUPER COLLIDER
BEAM DYNAMICS
RF SYSTEMS
BEAM EMITTANCE

EDB SUBJECT CATEGORIES -
990200 430200

E S T S C
ENERGY SCIENCE & TECHNOLOGY SOFTWARE CENTER
SOFTWARE ABSTRACT

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SPONSOR - DOE/ER

PACKAGE TYPE - AS - IS