

**Zeitschrift:** Helvetica Physica Acta  
**Band:** 69 (1996)  
**Heft:** 3

## Inhaltsverzeichnis

### Nutzungsbedingungen

Die ETH-Bibliothek ist die Anbieterin der digitalisierten Zeitschriften auf E-Periodica. Sie besitzt keine Urheberrechte an den Zeitschriften und ist nicht verantwortlich für deren Inhalte. Die Rechte liegen in der Regel bei den Herausgebern beziehungsweise den externen Rechteinhabern. Das Veröffentlichen von Bildern in Print- und Online-Publikationen sowie auf Social Media-Kanälen oder Webseiten ist nur mit vorheriger Genehmigung der Rechteinhaber erlaubt. [Mehr erfahren](#)

### Conditions d'utilisation

L'ETH Library est le fournisseur des revues numérisées. Elle ne détient aucun droit d'auteur sur les revues et n'est pas responsable de leur contenu. En règle générale, les droits sont détenus par les éditeurs ou les détenteurs de droits externes. La reproduction d'images dans des publications imprimées ou en ligne ainsi que sur des canaux de médias sociaux ou des sites web n'est autorisée qu'avec l'accord préalable des détenteurs des droits. [En savoir plus](#)

### Terms of use

The ETH Library is the provider of the digitised journals. It does not own any copyrights to the journals and is not responsible for their content. The rights usually lie with the publishers or the external rights holders. Publishing images in print and online publications, as well as on social media channels or websites, is only permitted with the prior consent of the rights holders. [Find out more](#)

**Download PDF:** 07.08.2025

**ETH-Bibliothek Zürich, E-Periodica, <https://www.e-periodica.ch>**

**Part I**

177 Preface

**Cosmology**

- 179 *Jetzer, P.*  
Microlensing Implications for Halo Dark Matter
- 185 *Sakellariadou, M.*  
Can Doppler Peaks Discriminate among Inflationary Models and Topological Defect Scenarios?
- 190 *Scialom, D.*  
Inflation with a Complex Scalar Field
- 194 *Schwarz, D. J.*  
Cosmological Perturbations of Ultrarelativistic Plasmas
- 198 *Schmid, C., Schwarz, D. J., Widerin, P.*  
Deviations from the Harrison-Zel'dovich Spectrum due to the Quark-Gluon to Hadron Transition
- 202 *Pavón, D., Gariel, J., Le Denmat, G.*  
Inflationary Expansion Driven by Particle Decay and Dissipative Stress
- 207 *Semikoz, D. V.*  
The Kinetic Stage of the Universe Reheating
- 211 *Wands, D., García-Bellido, J.*  
Density Perturbations from Two-field Inflation
- 215 *Gangui, A.*  
Textures and Cosmic Microwave Background non-Gaussian Signatures

- 219 *Kahniashvili, T., Novosyadlyj, B., Valdarnini, R.*  
Primordial Inhomogeneities Spectra in Mixed Dark Matter Models with Non-Zero Cosmological Constant
- 225 *Zimdahl, W., Pavón, D., Triginer, J.*  
Cosmology with Bulk Pressure
- 229 *Langlois, D.*  
CMBR Dipole from Ultra Large Scale Isocurvature Perturbations
- 233 *Beesham, A., Banerjee, N.*  
Causal Dissipative Cosmology
- 237 *Khorrami, M., Mansouri, R., Mohazzab, M.*  
A Decrumpling Model of the Universe
- 241 *Capozziello, S., de Ritis, R., Marino, A. A.*  
A New Approach to the “Cosmological Constant” Problem
- Quantum Gravity, Black Holes, Wormholes**
- 245 *Lavrelashvili, G.*  
On Wormholes in Low Energy String Theory
- 249 *Brill, D. R.*  
Multy-Black-Holes in 3D and 4D anti-de Sitter Spacetimes
- 253 *Barrabès, C., Frolov, V. P.*  
Creation of Multiple de Sitter Universes inside a Schwarzschild Black Hole
- 257 *Droz, S.*  
Numerical Investigation of Black Holes Interiors
- 261 *Bousso, R., Hawking, S. W.*  
Pair Creation and Evolution of Black Holes in Inflation
- 265 *Clément, G.*  
Flat Wormholes from Straight Cosmic Strings
- 269 *Donoghue, J.*  
The Quantum Theory of General Relativity at Low Energies
- 276 *Sudarsky, D., Núñez, D., Quevedo, H.*  
Large Black Holes have no Hair
- 281 *Whiting, B. F.*  
Singularity Avoidance during Gravitational Collapse
- 285 *Künzle, H.-P.*  
Einstein-Yang-Mills equations on Cosmological Space-Times
- 289 *Volkov, M. S.*  
Sphaleron on  $S^3$
- 293 *Moniz, P. V.*  
FRW Model with Vector Fields in N=1 Supergravity
- 297 *Droz-Vincent, P.*  
The Quantum Two-Body Problem in the Presence of Curvature
- 301 *Mensky, M.*  
Classical and Quantum Equivalence Principle in Terms of the Path Group
- 305 *Klösch, T., Schaller, P., Strobl, T.*  
Classical and Quantum Aspects of 1+1 Gravity
- Mathematical Studies, Numerical Relativity**
- 309 *Israel, W.*  
Covariant Double-Null Dynamics
- 316 *Hübner, P.*  
Numerical Approach to the Global Structure of Spacetimes

- 321 *Brodbeck, O.*  
On Symmetric Gauge Fields for  
Arbitrary Gauge and Symmetry Groups
- 325 *Van den Bergh, N.*  
A Classification of Embedding Class 2  
Vacua
- 329 *Kley, W.*  
Relativistic Maclaurin Discs and  
Bifurcations
- 333 *Giulini, D.*  
The Group of Large Diffeomorphisms in  
Classical and Quantum Gravity
- 337 *Aichelburg, P. C., Balasin, H.*  
Symmetries of Impulsive Gravitational  
Waves
- 341 *Hoppe, J.*  
Diffeomorphism Invariant Integrable  
Field Theories
- 344 *Chave, T., Valent, G.*  
Quasi-Einstein Metrics and their  
Renormalizability Properties
- 348 *Lun, A. W. C.*  
Photon Rockets and Radiation Reactions
- 353 *Pavšič, M.*  
The Relativistic Charged Membrane and  
its Total Mass