

Verão Quântico 2025

Período: 07 a 11 de abril de 2025

- Minicursos:

1. Jorge Zanelli (CECS, Chile) - *Three lectures on gauge theories*
2. Marc Henneaux (ULB, Belgium & Collège de France, França) - *The asymptotic structure of gravity*
3. Oliver Piattella (Como, Itália) - *Cosmology*
4. Dmitri Sorokin, (INFN-Padua, Itália) - *Recent developments in non-linear electrodynamics and their implications*
5. Diana Lopez Nazir (Conicet, Argentina) - *Dark matter*

- Seminários:

1. Gastão Krein (IFT, Brasil) - *Quantum chromodynamics*
2. Ilya Shapiro (UFJF, Brasil) - *Conformal symmetry and renormalization,*
3. Alberto Saa (Unicamp, Brasil) - *Finslerian structure of black holes*
4. Oleg Zaslavskii (Kharkov, Ucrânia) - *Rotating black holes*
5. Maurício Richartz (UFABC, Brasil) - *Analogue black holes*
6. Kirill Bronnikov (NITs PM, Rússia) - *Black holes and wormholes*
7. Antônio Duarte Pereira (UFF, Brasil) - *Asymptotic Freedom*

- Comunicações orais:

1. Alícia Gomes Borges Pinto (UFJF, Brasil) - *One-loop effective action and decoupling behavior in a two scalar field theory*
2. Felipe Bruno Medeiros dos Santos (ON, Brasil) - *Warm inflation and its observational consequences*
3. Francisco Artur Pinheiro Alves Júnior (UNIVASF, Brasil) - *Meta-material Branes*
4. Matheus Curado Ferreira (CBPF, Brasil) - *The Cosmological Bootstrap*
5. Ronaldo Thibes (UESB, Brasil) - *Null-Plane dynamics for the reduced-order Bopp-Podolsky*
6. Tiago Barbosa Alves (UFES, Brasil) - *Fluid and scalar field representations in the Brans-Dicke theory: cosmological scenarios model*

- Pôsteres:

1. Gabriel Volino da Silva (UERJ, Brasil) - *Gravitação modificada: teorias híbridas*

2. Guilherme Yoshi Oyadomari - *Renormalization of massive vector field theory coupled to scalar in curved spacetime*
3. Gustavo Adolfo Cedeño (UERJ, Brasil) - *Generalized hybrid metric-Palatini Gravity: weak field phenomenology*
4. Hellen Neri (UFPE, Brasil) - *How Modern Physics and Quantum Mechanics textbooks address the topic of Mean Field in systems with interacting electrons*
5. Jonathan Guerrero (UERJ, Brasil) - *Gravitational wave emission in generalized hybrid metric-Palatini Gravity*
6. José Medeiros da Costa Netto (UFPE, Brasil) - *Thermodynamic modeling of dark energy in the presence of particle sources or sinks*
7. Lucas Ducastelo de Castro Corrêa Lima (UFJF, Brasil) - *Symmetry and the one loop renormalization in a gauge theory of two real scalar fields*
8. Lucas Pereira de Souza (UFJF, Brasil) - *Euler-Heisenberg-like effective action for electromagnetic and torsion fields*
9. Marcos Leopoldo Wayhs Basso (UFABC, Brasil) - *Charged regular objects from an electrified Tolman-like density: An interior for the Kerr-Newman spacetime*
10. Mário Horta Tristão (UFES, Brasil) - *The ModMax non linear electrodynamics In cold neutron stars*
11. Matheus Filipe Santos Alves (UFES, Brasil) - *Gravitational Waves Emission in Quadratic Gravity: longitudinal modes, angular momentum emission and positivity of the radiated power*
12. Thomas de Moura Sangy (UFJF, Brasil) - *Newtonian potential in nonlocal gravity*
13. Wallace Barra Souza dos Santos (UFES, Brasil) - *3D gravity as a Chern Simons theory: a review on asymptotic symmetries and integrability*
14. William Antônio Ramirez - *Effect of a Cosmological Constant on Galaxy-Scale Strong Lens Systems*

Programa

- Segunda, dia 07/04

09:00-10:00 - Minicurso I
10:00-10:30 - Pausa
10:30-11:30 - Minicurso II
11:30-12:30 - Seminário I
12:30-15:00 - Pausa almoço
15:00-16:00 - Minicurso III
16:00-17:00 - Minicurso IV
17:00-17:30 - Pausa
17:30-18:30 - Comunicações

- Terça, dia 08/04

09:00-10:00 - Minicurso I
10:00-10:30 - Pausa
10:30-11:30 - Minicurso II
11:30-12:30 - Minicurso III
12:30-15:00 - Pausa almoço
15:00-16:00 - Minicurso IV
16:00-17:00 - Seminário II
17:00-17:30 - Pausa
17:30-18:30 - Comunicações

- Quarta, dia 09/04

08:30-09:30 - Seminário III
09:30-10:30 - Seminário IV
10:30-11:00 - Pausa
11:00-12:00 - Seminário V
12:00-13:00 - Seminário VI

Tarde livre

- Quinta, dia 10/04

09:00-10:00 - Minicurso I
10:00-10:30 - Pausa
10:30-11:30 - Minicurso II
11:30-12:30 - Minicurso III

12:30-15:00 - Pausa almoço
15:00-16:00 - Minicurso IV
16:00-17:00 - Minicurso V
17:00-17:30 - Pausa
17:30-18:30 - Comunicações
19:00-20:00 - Palestra para a comunidade.

- Sexta, dia 11/04

09:00-10:00 - Minicurso V
10:00-10:30 - Pausa
10:30-11:30 - Seminário VII
11:30-12:30 - Minicurso V
13:00-15:00 - Pausa Almoço

Retorno dos palestrantes.

As informações sobre a versão 2025 do **Verão Quântico** estarão disponíveis na página www.cosmo-ufes.org/vq2025