




**AGA 0215**

# **Fundamentos de Astronomia**

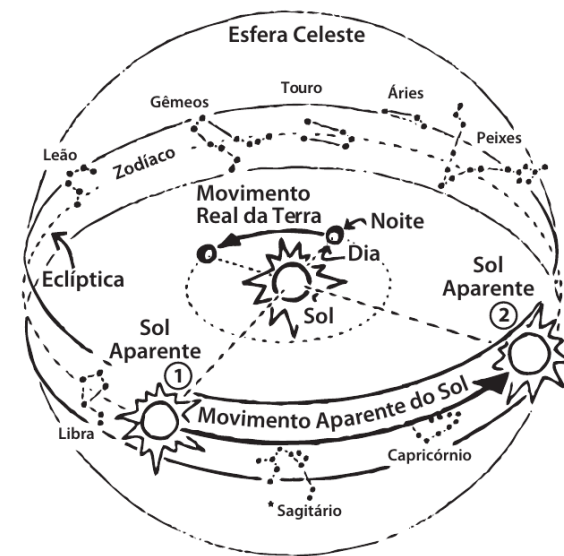
*Visão geral do curso*



***Alguns*** dos tópicos  
que serão estudados  
durante o curso

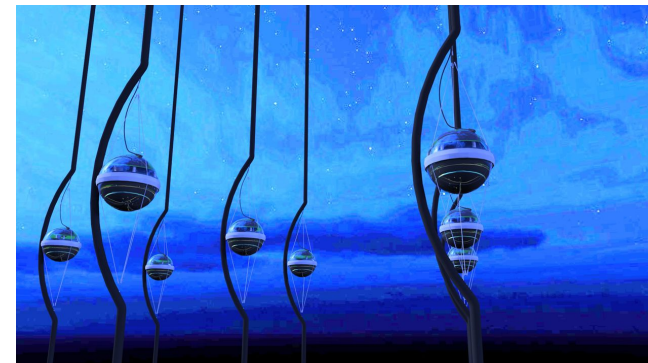
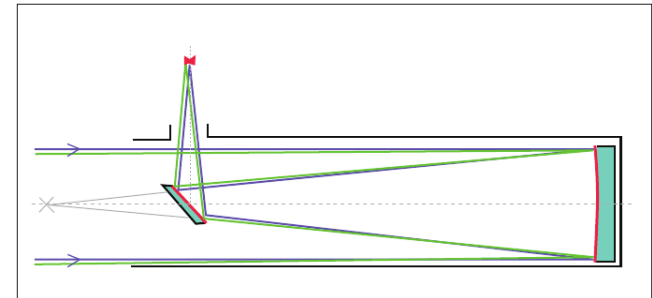
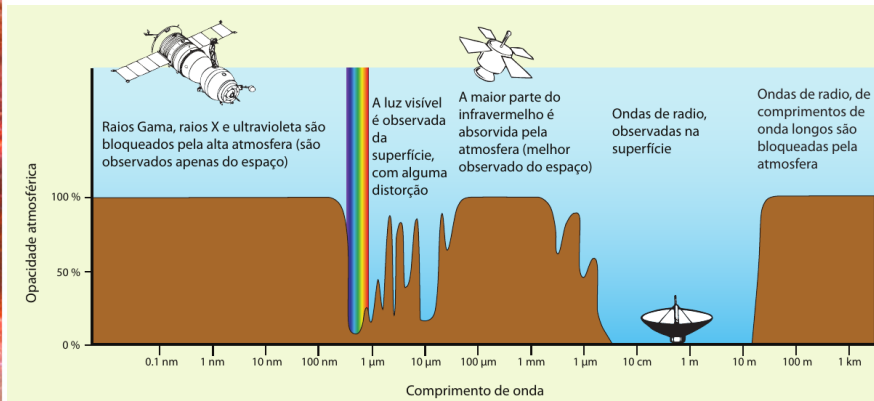
# Conceitos Fundamentais

- Astronomia esférica
- ✓ Movimento aparente do céu
- ✓ Coordenadas celestes
- ✓ Medidas de tempo astronômicas



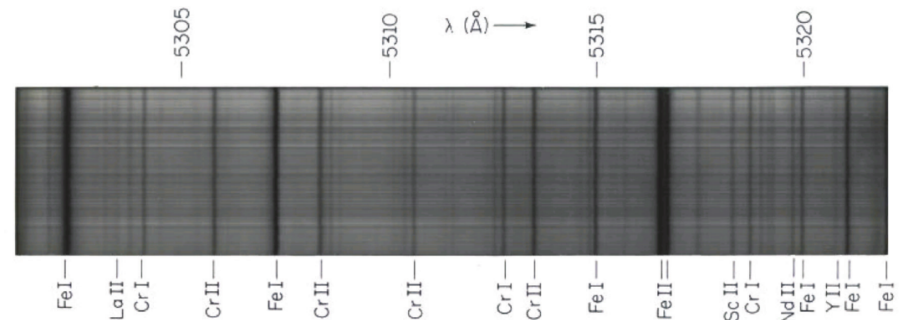
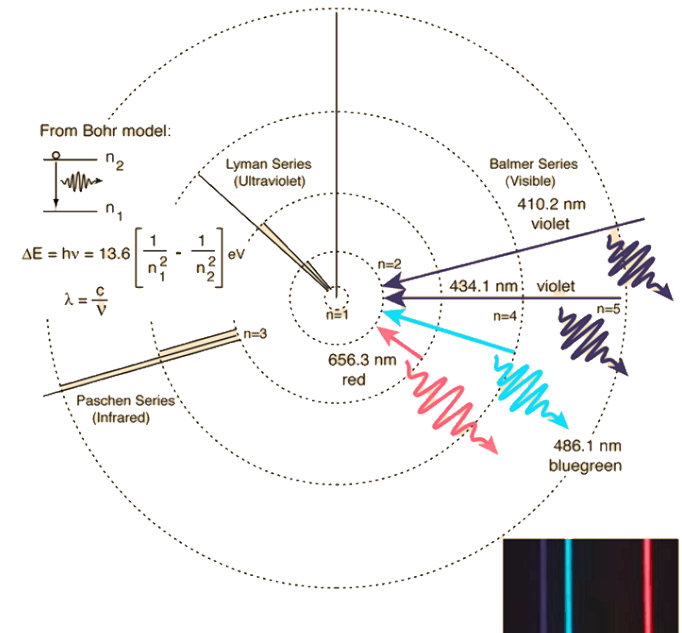
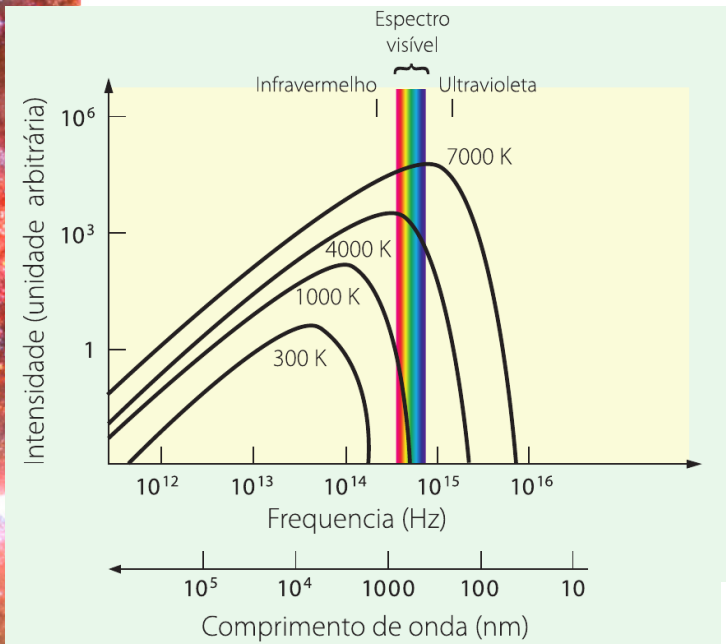
# Conceitos Fundamentais

- Técnicas de observação e instrumentos
- Fotometria



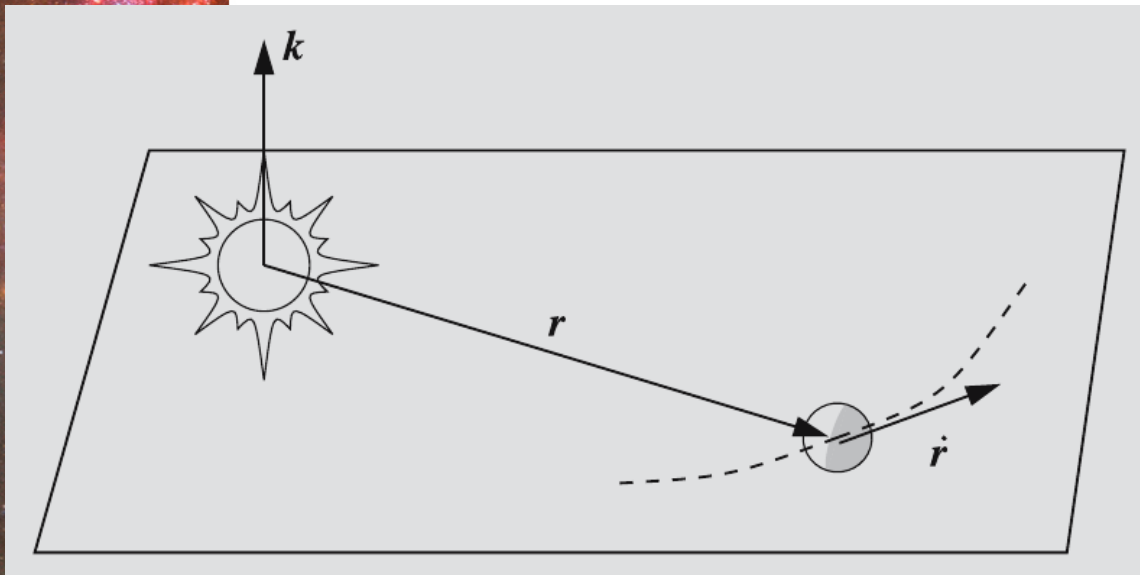
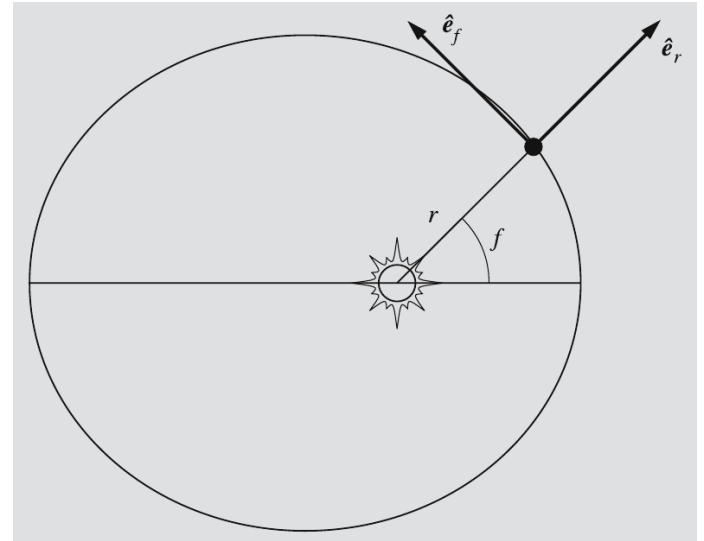
# Conceitos Fundamentais

- Mecanismos de radiação e absorção



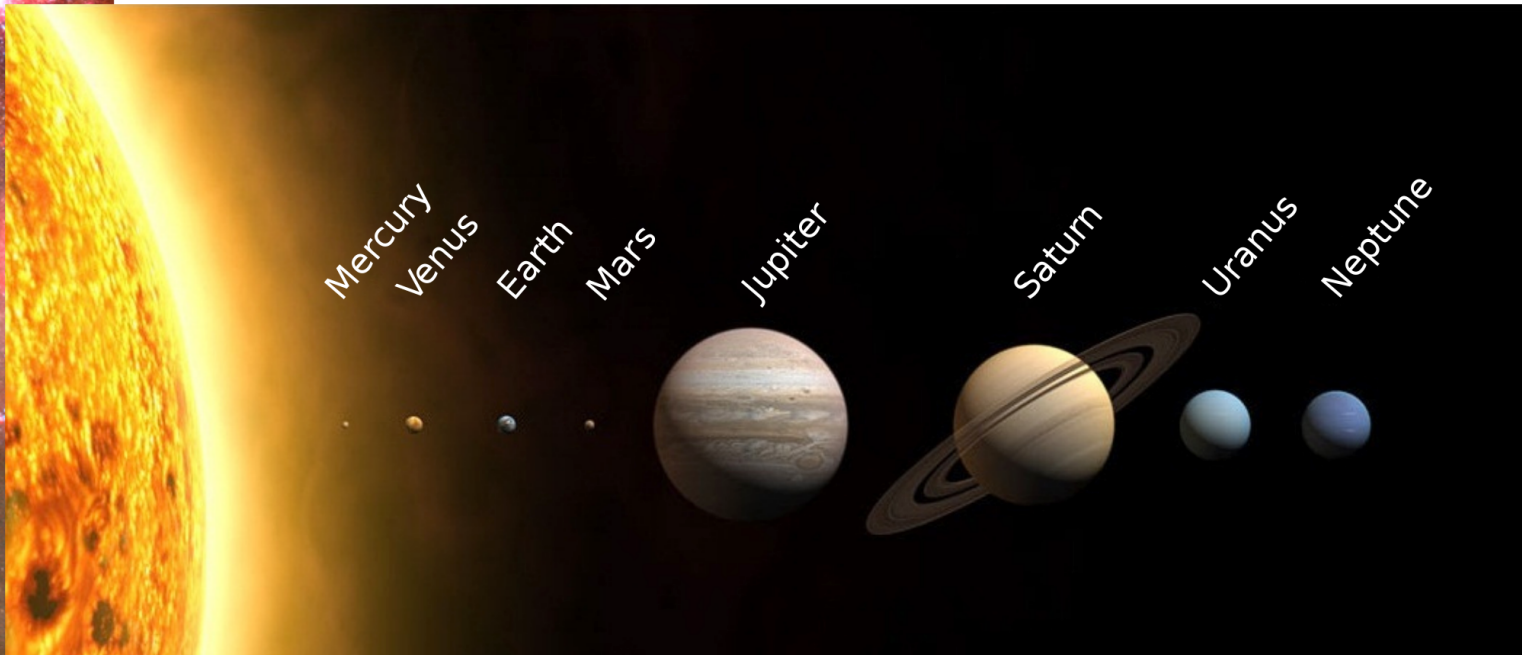
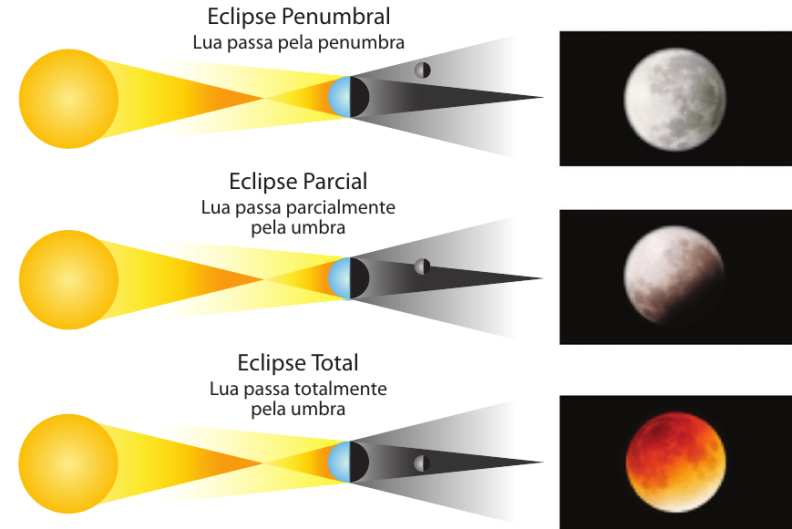
# Conceitos Fundamentais

- Mecânica celeste

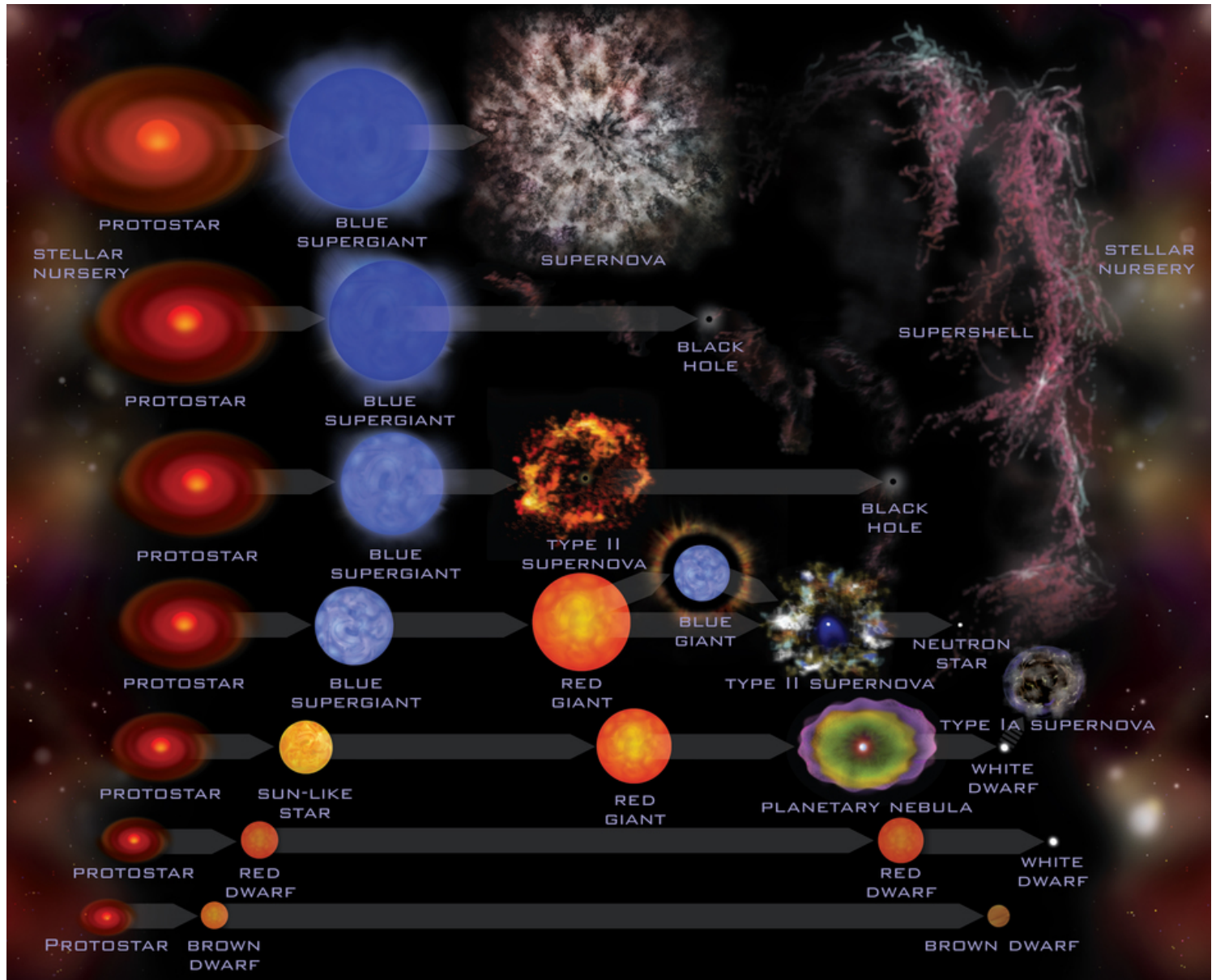


# Sistema Solar

- Sistema Terra-Sol-Lua
- Planetas



# Estrutura e Evolução Estelar

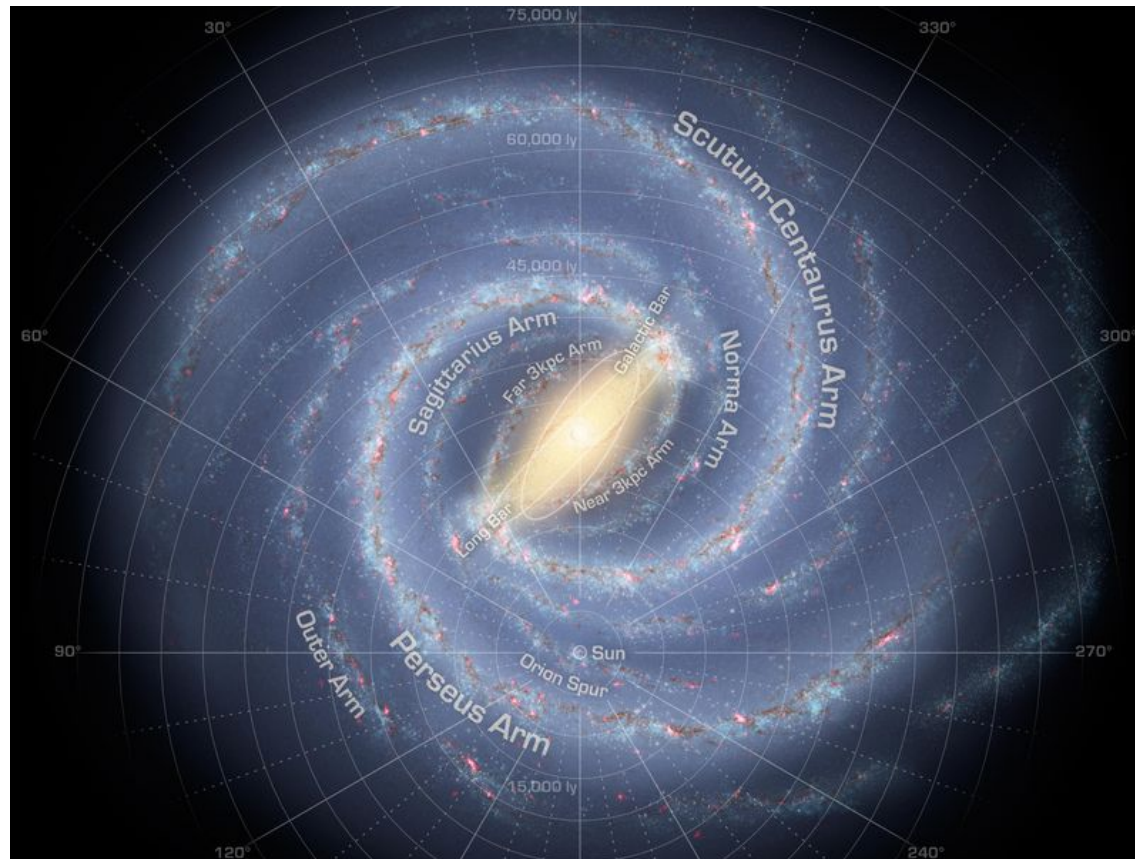




# Meio Interestelar



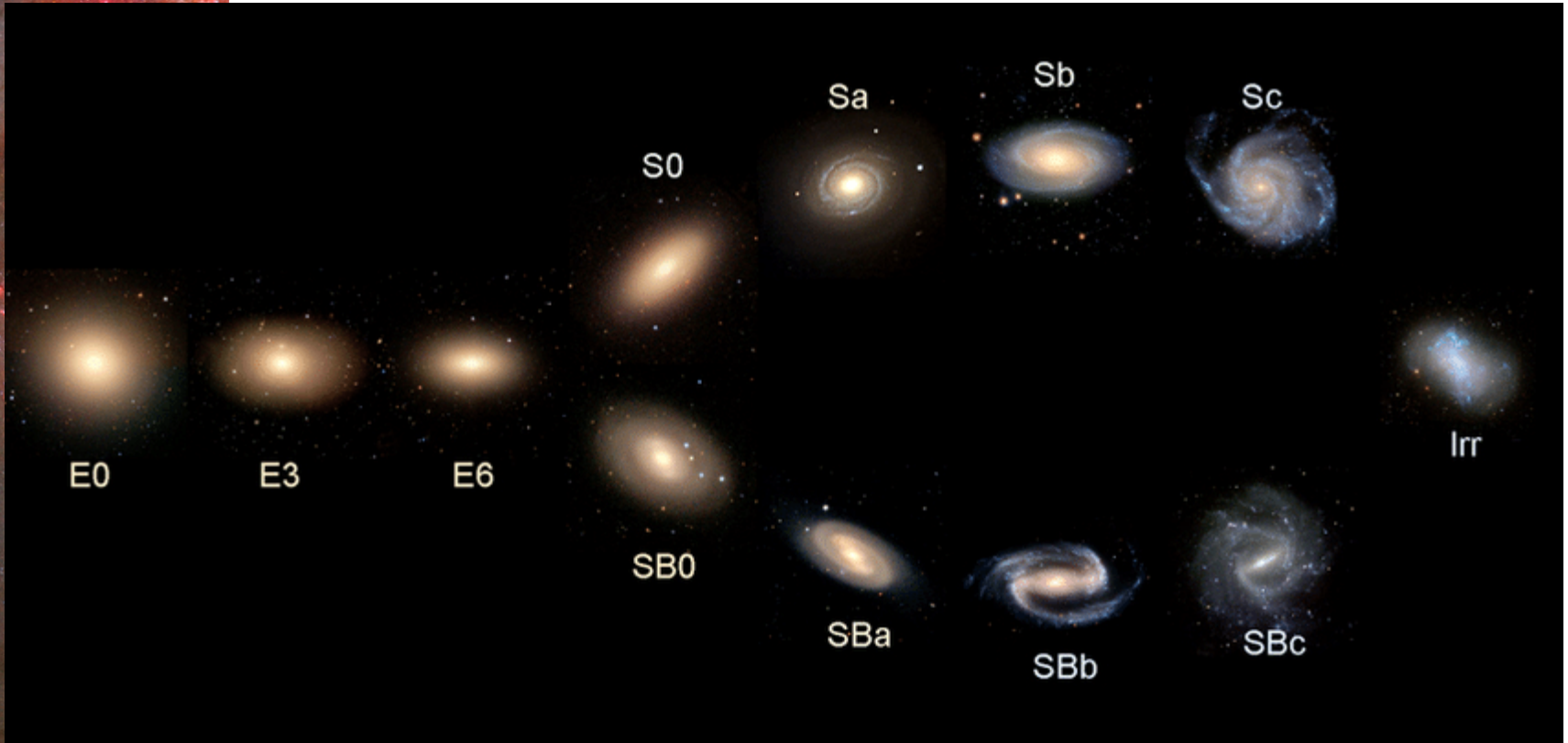
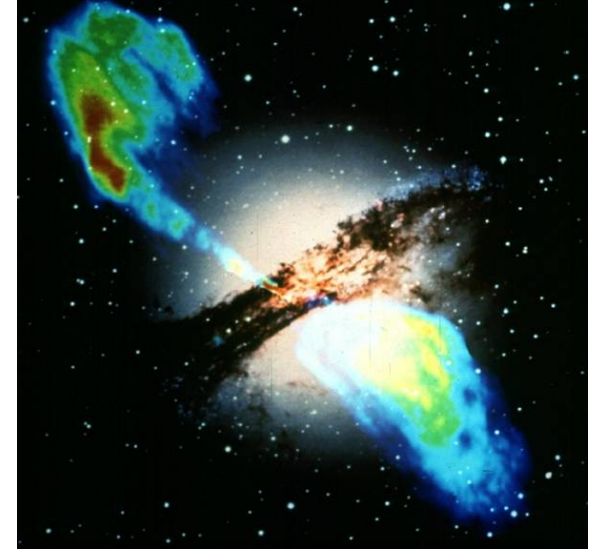
# A Via-Láctea



- Medidas de distância
- Curva de rotação
- Formação e evolução da Galáxia

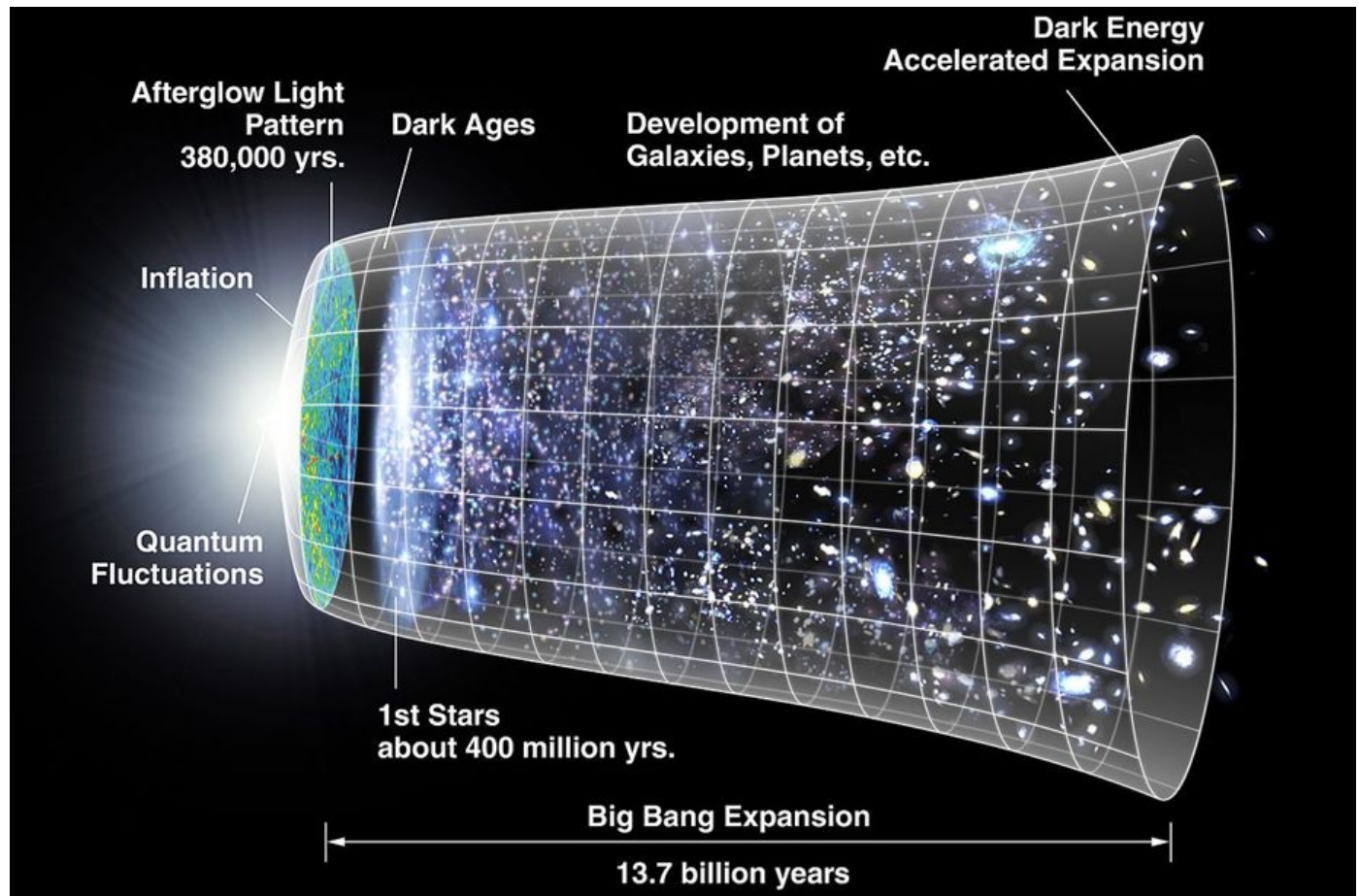
# Galáxias


- Classificação
- Sistemas de galáxias
- Galáxias Ativas
- Origem e evolução



# Cosmologia

- Observações
- Modelos
- Testes cosmológicos
- História do Universo





*Para o aproveitamento  
deste curso é **vital** o  
estudo dos livros textos  
indicados!*

# Livros-textos

- **Fundamental Astronomy**  
Karttunen et al. (eds.)  
5th edition
- **O céu que nos envolve**  
Picazzio (ed.)  
(disponível online)

