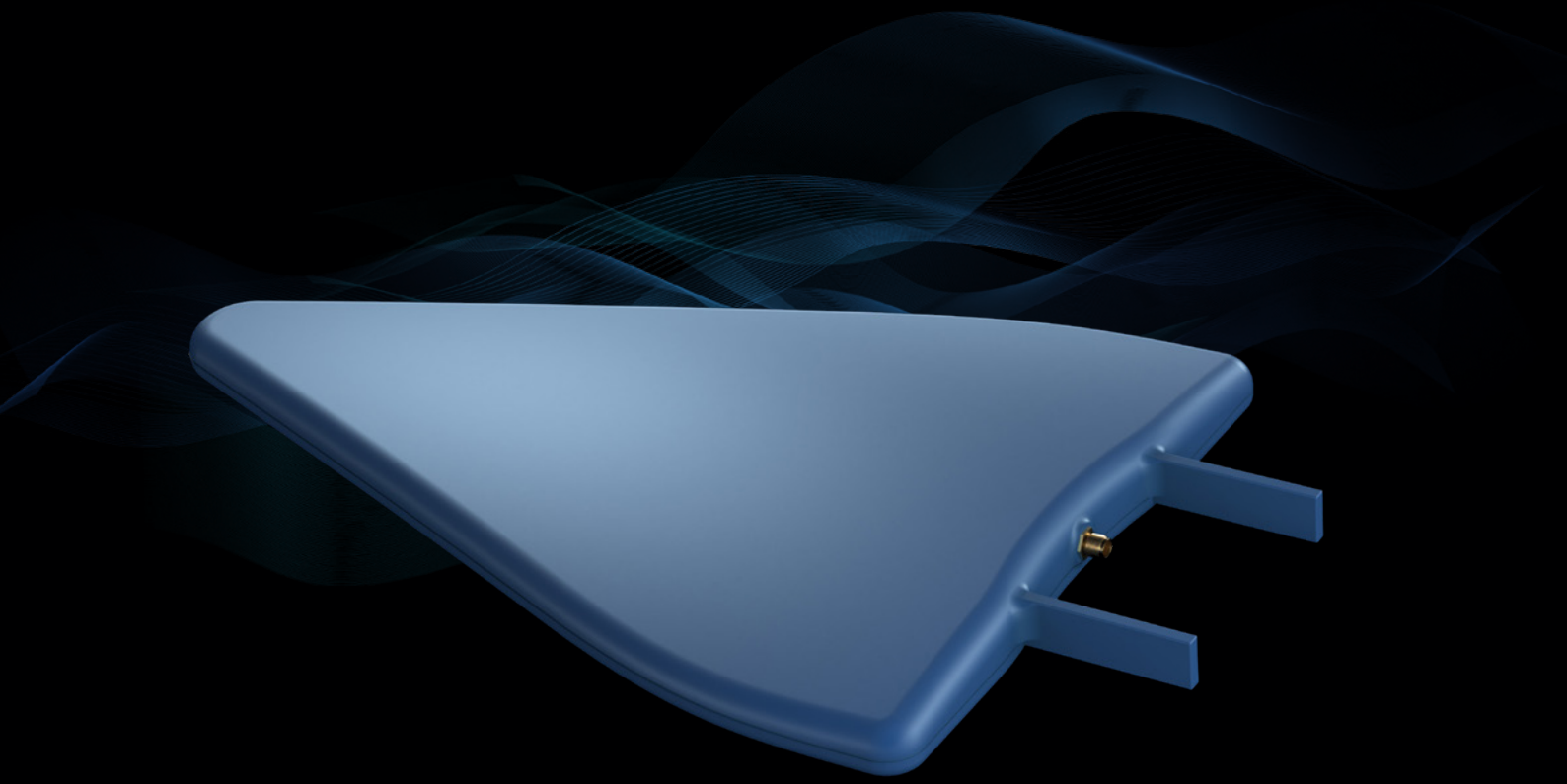
LOGPER ANTENNAS

HYPERLOG®

70 SERIES

All-in-one log-periodic antennas for mobile measurements and lab application



- ✔ Compatible with any spectrum analyzer or TSCM receiver
- ✔ High-tech TEFLON antenna support
- ✔ Polarization can be freely aligned
- ✔ Suitable for mobile use

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Germany

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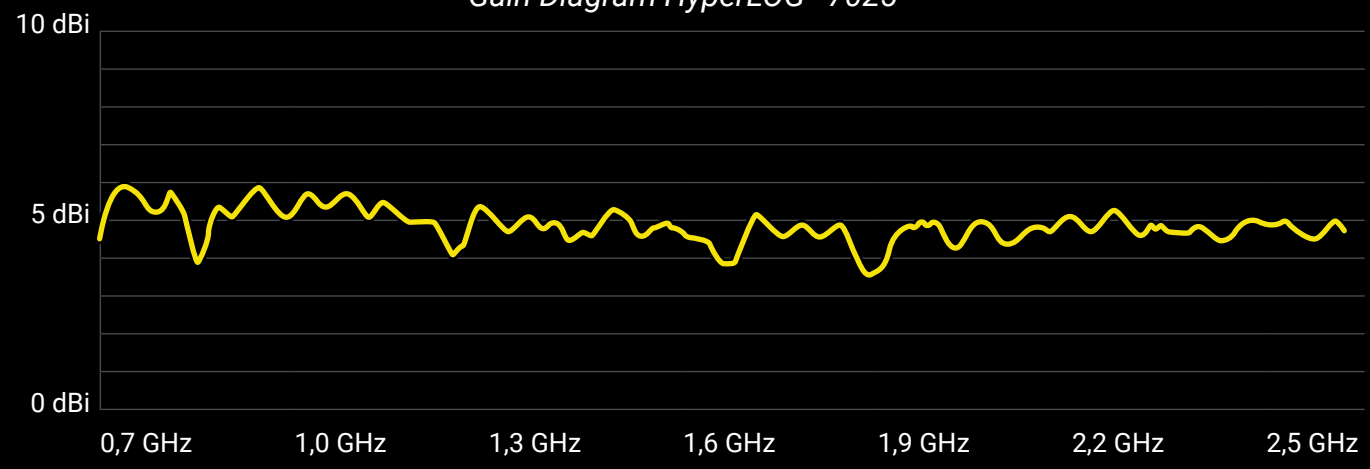
MADE IN GERMANY

Specifications

HyperLOG® 7025

Dimensions [L x W x D]	340 x 200 x 25 mm	**Nominal Impedance**	50 Ohm
Weight	270 g	**Calibration Points**	183 (10 MHz steps)
Design	Log-periodical	**VSWR (typ.)**	< 2
Gain (typ.)	4 dBi	**Max. Transmission Power**	50 W CW (800 MHz)
RF Connection	SMA (f) or N with adapter (see optional adapter)	**Antenna Factor**	23 – 34 dB/m
Frequency Range	700 MHz – 2,5 GHz	**Warranty**	2 years

Gain Diagram HyperLOG® 7025



Antenna Factor Diagram HyperLOG® 7025



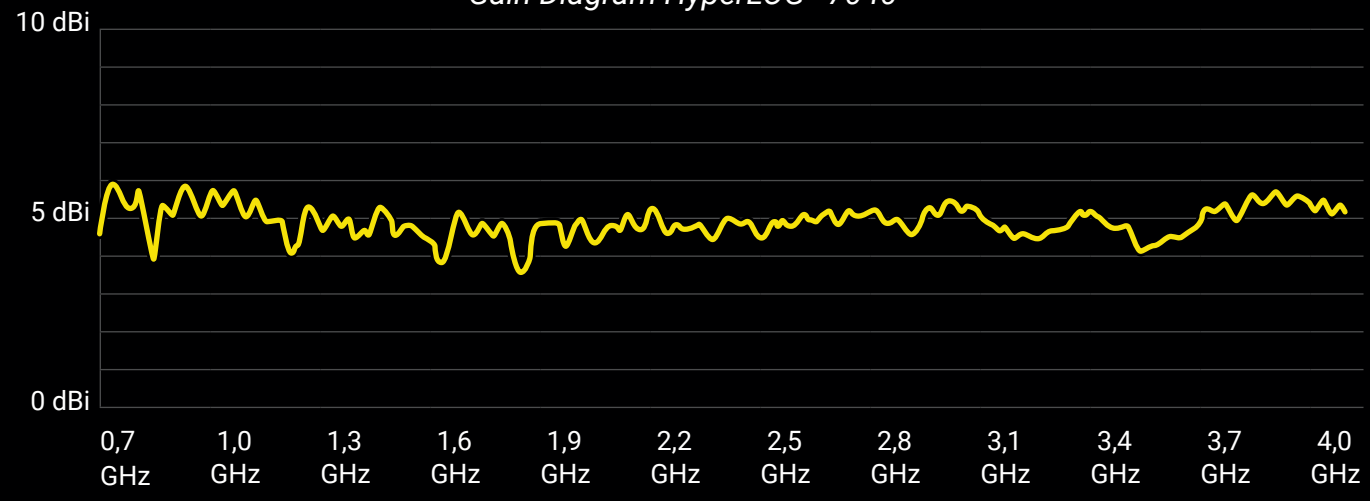
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Specifications

HyperLOG® 7040

Dimensions [L x W x D]	340 x 200 x 25 mm	**Nominal Impedance**	50 Ohm
Weight	270 g	**Calibration Points**	333 (10 MHz steps)
Design	Log-periodical	**VSWR (typ.)**	< 2
Gain (typ.)	4 dBi	**Max. Transmission Power**	50 W CW (800 MHz)
RF Connection	SMA (f) or N with adapter (see optional adapter)	**Antenna Factor**	23 – 38 dB/m
Frequency Range	700 MHz – 4 GHz	**Warranty**	2 years

Gain Diagram HyperLOG® 7040



Antenna Factor Diagram HyperLOG® 7040

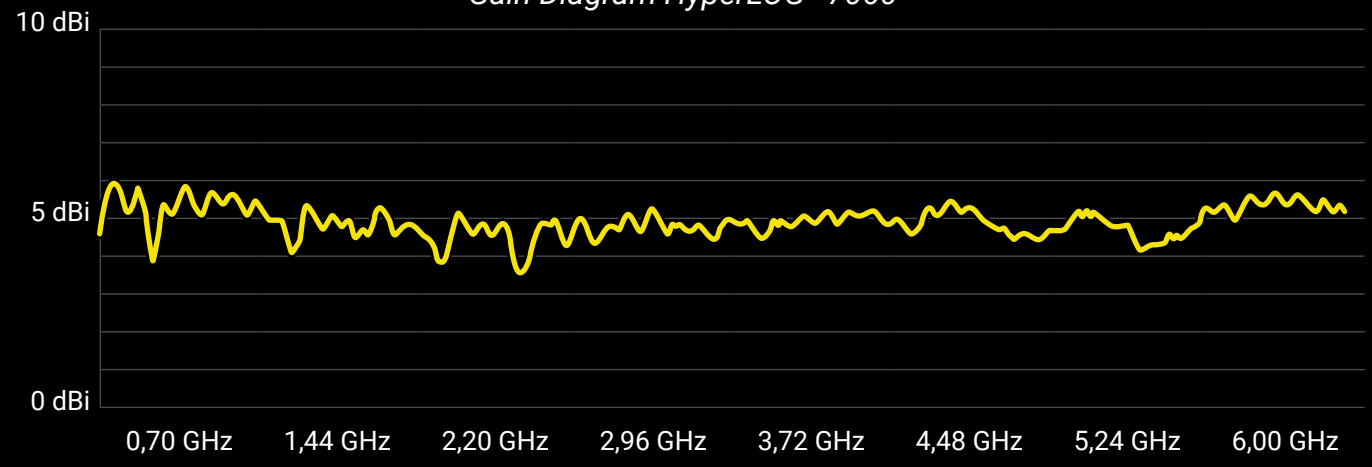


Specifications

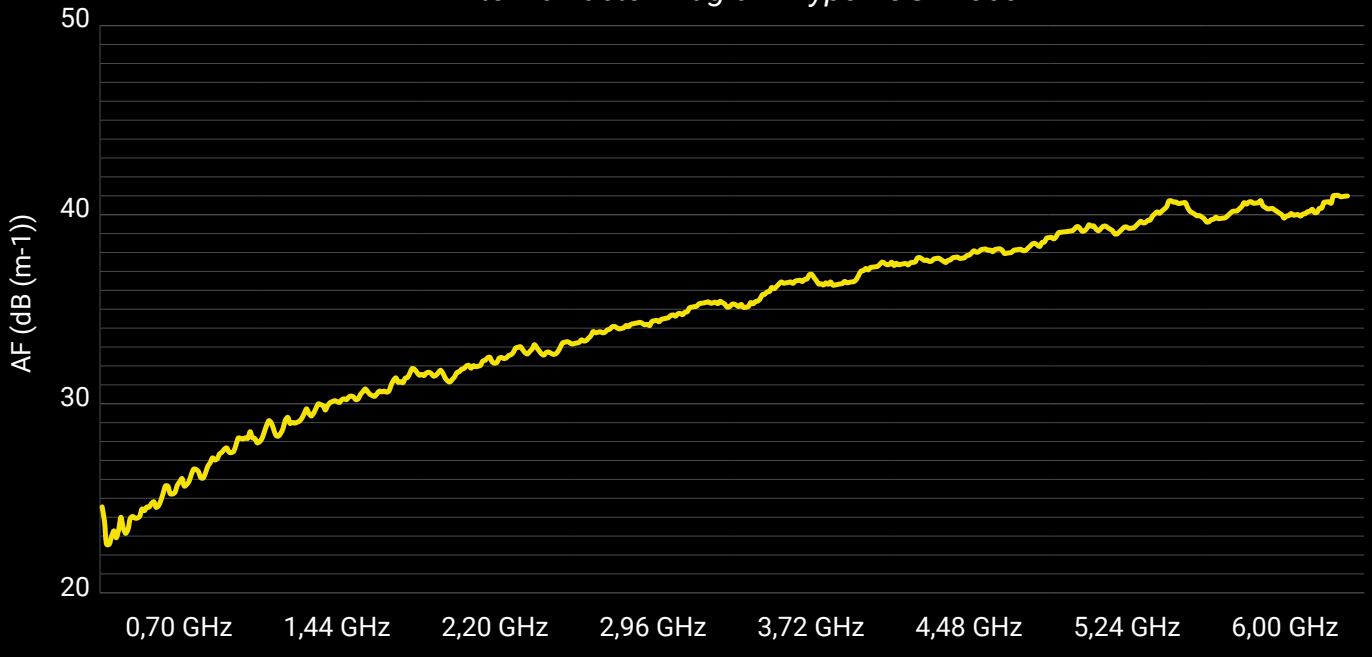
HyperLOG® 7060

Dimensions [L x W x D]	340 x 200 x 25 mm	**Nominal Impedance**	50 Ohm
Weight	250 g	**Calibration Points**	533 (10 MHz steps)
Design	Log-periodical	**VSWR (typ.)**	< 2
Gain (typ.)	5 dBi	**Max. Transmission Power**	50 W CW (800 MHz)
RF Connection	SMA (f) or N with adapter (see optional adapter)	**Antenna Factor**	26 – 41 dB/m
Frequency Range	700 MHz – 6 GHz	**Warranty**	2 years

Gain Diagram HyperLOG® 7060



Antenna Factor Diagram HyperLOG® 7060



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Recommended Accessories

Aluminum Tripod



Height adjustable, high stability. Recommended for use with HyperLOG® antennas.

Max. height: 105 cm.

Order/Art.-No.: 503/011



Multifunctional Pistol Grip

(strongly recommended)

Highly recommended for our HyperLOG® antennas. Quick and easy antenna polarization change, guarantees perfectly stable antenna handling.

Order/Art.-No.: 503/012

1 m / 5 m / 10 m SMA Cable



High-quality special SMA cable, connecting test equipment to any HyperLOG® antenna. Customers can choose between three different cables:
- 1 m standard SMA cable (RG316U)
- 5 m low-loss SMA cable (especially low damping)
- 10 m low-loss SMA cable (especially low damping)

All versions: SMA plug (male) / SMA plug (male)

Order/Art.-No.: 501/006 (1 m), 501/008 (5 m), 501/0010 (10 m)



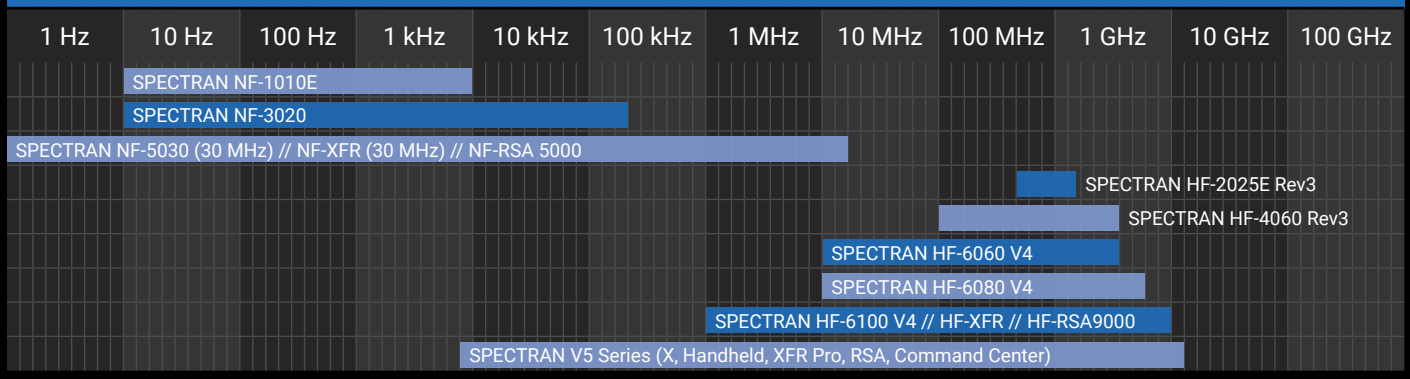
SMA to N Adapter

This special high-quality adapter allows for operating all HyperLOG® antennas with any standard spectrum analyzer equipped with an N connector. This adapter can be used with very high frequencies. Measuring just 30 x 20 mm in size, its nominal impedance is 50 Ohm. Layout: SMA socket (female) / N plug (male).

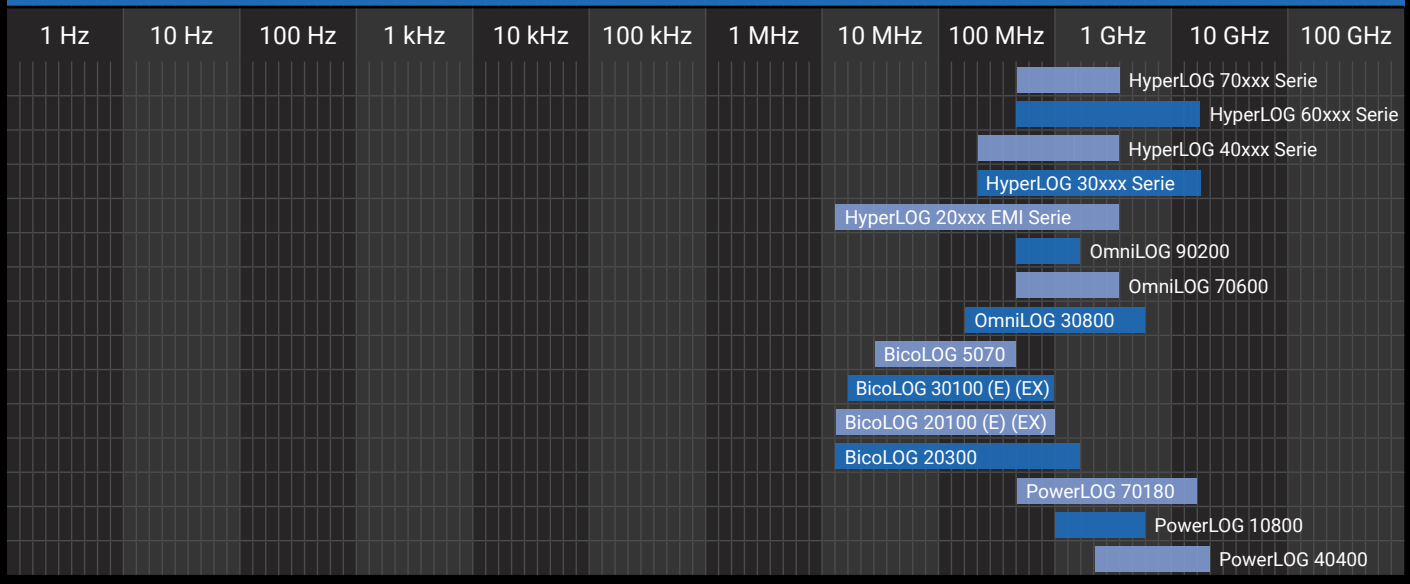
Order/Art.-No.: 502/009

Frequency Overviews

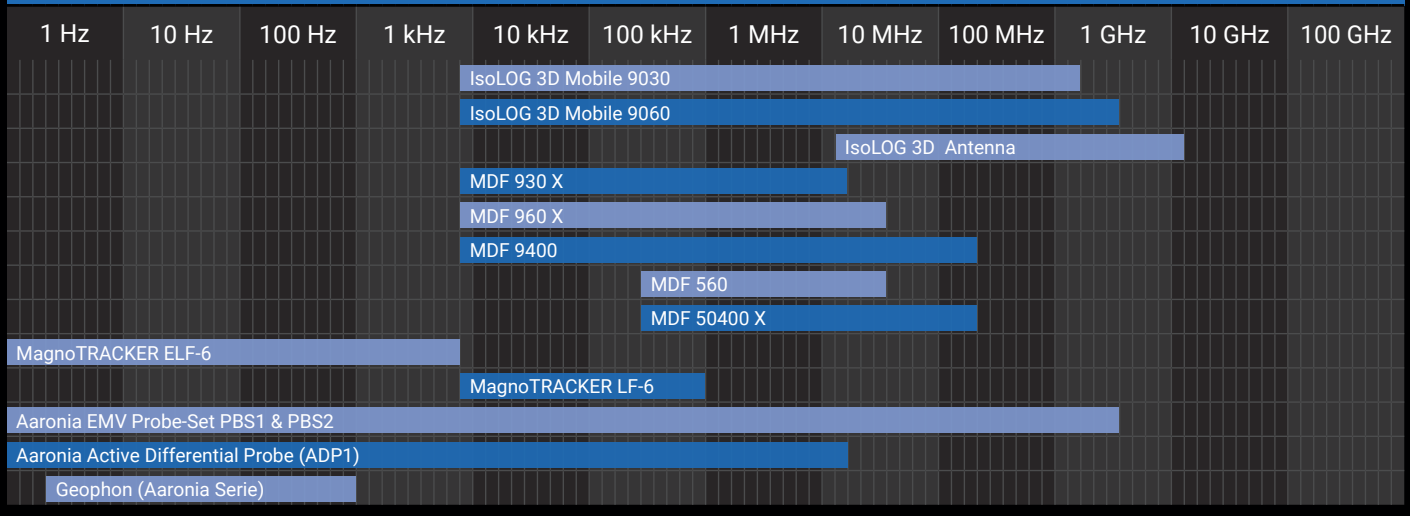
Frequency Overview SPECTRAN® Spectrum Analyzers



Frequency Overview HyperLOG®, BicoLOG® and PowerLOG® Antennas



Frequency Overview IsoLOG® 3D, MDF, MagnoTRACKER® and Probes



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References

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- NATO, Belgium
- Department of Defense, USA
- Department of Defense, Australia
- Airbus, Germany
- Boeing, USA
- Bundeswehr, Germany
- NASA, USA
- Lockheed Martin, USA
- Lufthansa, Germany
- DLR, Germany
- Eurocontrol, Belgium
- EADS, Germany
- DEA, USA
- FBI, USA
- BKA, Germany
- Federal Police, Germany
- Ministry of Defense, Netherlands

Research/Development, Science and Universities

- MIT – Physics Department, USA
- California State University, USA
- Indonesian Institute of Sciences, Indonesia
- Los Alamos National Laboratory, USA
- University of Bahrain, Bahrain
- University of Florida, USA
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- University of Durham, United Kingdom
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- Max Planck Inst. for Nuclear Physics, Germany
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